

Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free ab281570

Recombinant RabMAb

9 Images

Overview

Product name	Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free
Description	Rabbit monoclonal [EPR24439-141] to FSH beta - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-Fr, IHC-P Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human pituitary, Mouse pituitary, Rat pituitary lysates. IHC-P: Human pituitary, Mouse pituitary, Rat pituitary tissues. IHC-Fr: Rat pituitary tissue.
General notes	<p>ab281570 is the carrier-free version of ab281562.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR24439-141
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab281570 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

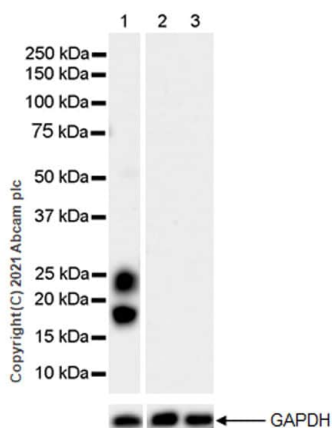
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 15 kDa.
IHC-Fr		Use at an assay dependent concentration. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC/IF or IP.

Target

Relevance	Follicle stimulating hormone enables ovarian folliculogenesis to the antral follicle stage and is essential for Sertoli cell proliferation and maintenance of sperm quality in the testis. Members of the pituitary glycoprotein hormone family, of which FSH is one consist of a shared alpha chain and a beta chain encoded by a separate gene. The FSH beta gene encodes the beta subunit of follicle stimulating hormone.
Cellular localization	Secreted

Images



Western blot - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

All lanes : Anti-FSH beta antibody [EPR24439-141] ([ab281562](#)) at 1/1000 dilution

Lane 1 : Human pituitary tissue lysate

Lane 2 : Human heart tissue lysate

Lane 3 : Human spleen tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/1000 dilution (VeriBlot for IP secondary antibody(HRP))

Predicted band size: 15 kDa

Observed band size: 23,19 kDa

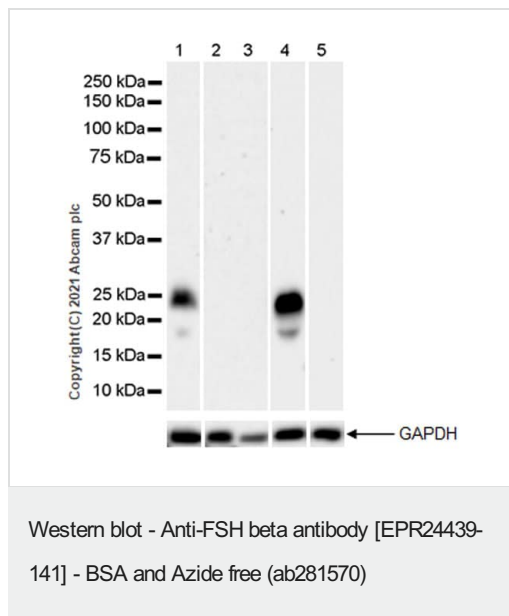
This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile observed is consistent with what has been described in the literature (PMID: 29090093, 11502795).

Negative control: heart, spleen (PMID:29090093).

Exposure time: 81 seconds



All lanes : Anti-FSH beta antibody [EPR24439-141] ([ab281562](#)) at 1/1000 dilution

Lane 1 : Mouse pituitary tissue lysate

Lane 2 : Mouse heart tissue lysate

Lane 3 : Mouse spleen tissue lysate

Lane 4 : Rat pituitary tissue lysate

Lane 5 : Rat heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 15 kDa

Observed band size: 23,19 kDa

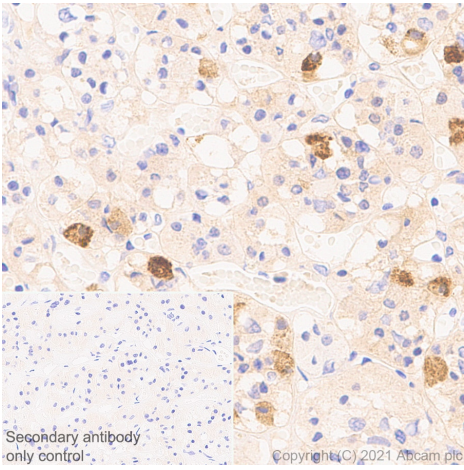
This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile observed is consistent with what has been described in the literature (PMID: 29090093, 11502795).

Negative control: heart, spleen (PMID:29090093).

Exposure time: Lanes 1-3:3 minutes; Lanes 4-5:26 seconds.



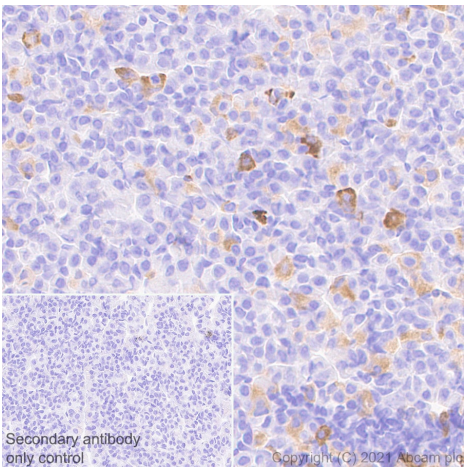
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human pituitary tissue labelling FSH beta with [ab281562](#) at 1/2000 dilution (0.119 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on human pituitary (PMID: 8930609). The section was incubated with [ab281562](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



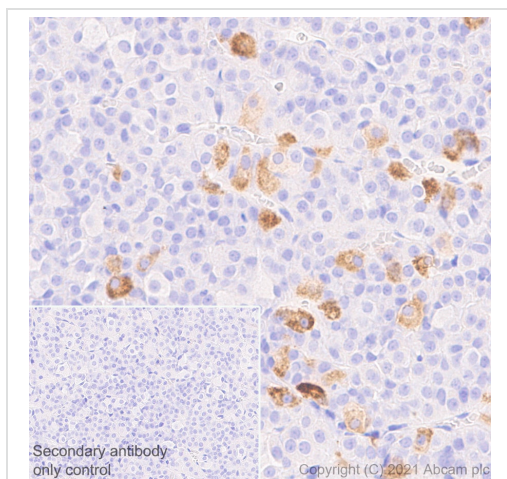
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Mouse pituitary tissue labelling FSH beta with [ab281562](#) at 1/4000 dilution (0.119 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on mouse pituitary. The section was incubated with [ab281562](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



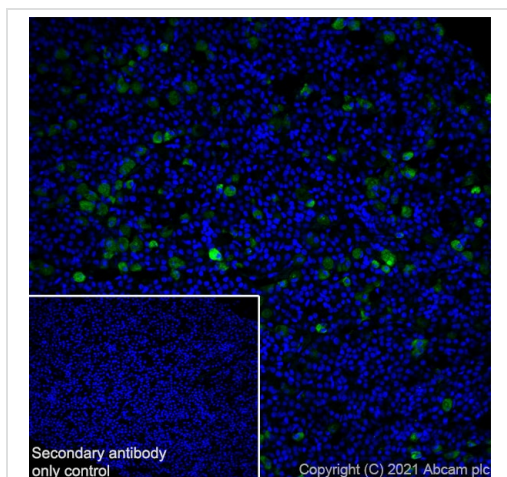
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Rat pituitary tissue labelling FSH beta with [ab281562](#) at 1/4000 dilution (0.119 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on rat pituitary. The section was incubated with [ab281562](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



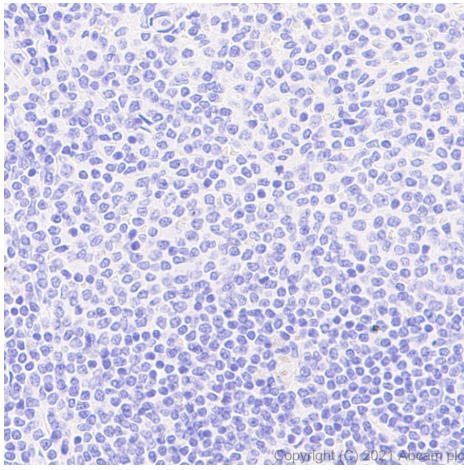
Immunohistochemistry (Frozen sections) - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat pituitary tissue labeling FSH beta with [ab281562](#) at 1/100 dilution (4.75 ug/ml) followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Cytoplasmic staining on rat pituitary is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



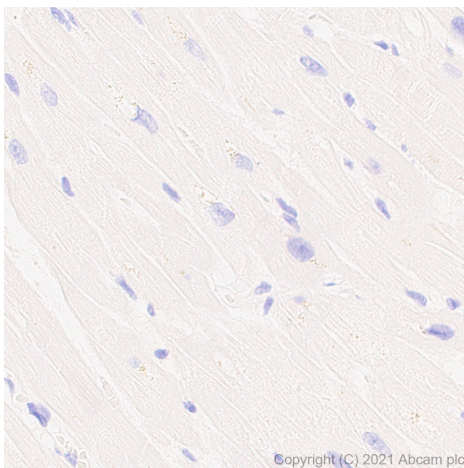
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human spleen tissue labelling FSH beta with [ab281562](#) at 1/4000 dilution (0.119 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). **Negative control:** No staining on human spleen. The section was incubated with [ab281562](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

This data was developed using [ab281562](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human cardiac muscle tissue labelling FSH beta with [ab281562](#) at 1/4000 dilution (0.119 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). **Negative control:** No staining on human cardiac muscle. The section was incubated with [ab281562](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-FSH beta antibody [EPR24439-141] - BSA and Azide free (ab281570)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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