

Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free ab255330

Recombinant RabMAb

6 Images

Overview

Product name	Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free
Description	Rabbit monoclonal [EPR22495-129] to GDF 9 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IHC-Fr Unsuitable for: Flow Cyt, ICC/IF, IP or WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human, mouse and rat ovary tissue. IHC-Fr: Mouse ovary tissue.
General notes	<p>ab255330 is the carrier-free version of ab254323.</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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22495-129
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab255330 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
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.
IHC-Fr		Use at an assay dependent concentration. Weak reactivity in rat. Heat mediated antigen retrieval using sodium citrate buffer (10 mM citrate pH 6.0 and 0.05% Tween-20).

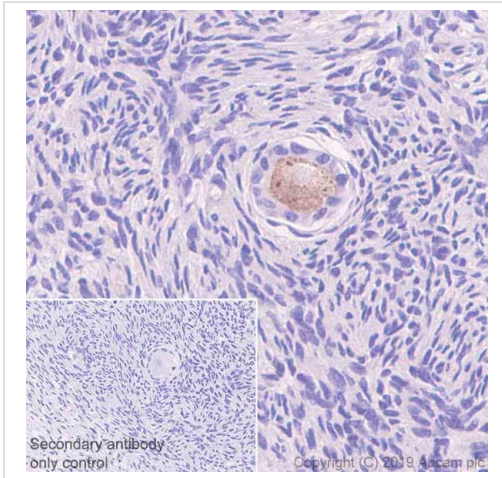
Application notes Is unsuitable for Flow Cyt, ICC/IF, IP or WB.

Target

Relevance GDF 9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF 9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis.

Cellular localization Secreted

Images



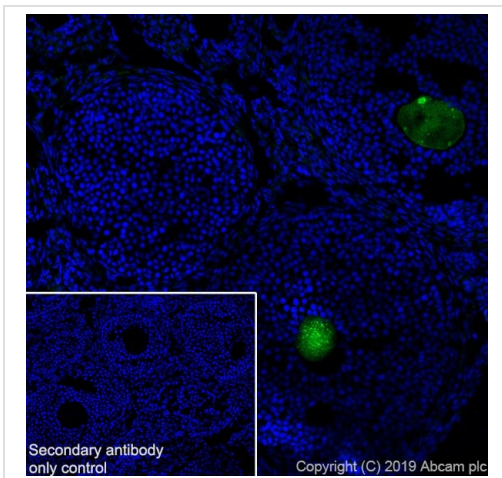
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free (ab255330)

Immunohistochemical analysis of paraffin-embedded human ovary tissue labeling GDF 9 with **ab254323** at 1/500 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on human ovarian follicles (PMID: 21401961). The section was incubated with **ab254323** for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab254323**).



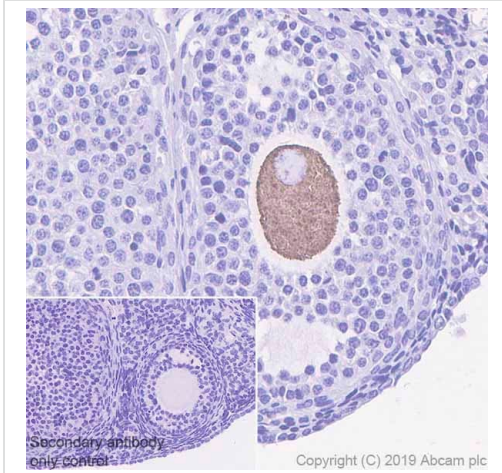
Immunohistochemistry (Frozen sections) - Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free (ab255330)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse ovary tissue labeling GDF 9 with **ab254323** at 1/50 dilution (green), followed by **ab150077** AlexaFluor[®]488 Goat anti-Rabbit secondary at a 1/1,000 dilution. Positive staining on follicles of mouse ovary (PMID: 21401961) is observed. Counterstained with DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab150077** AlexaFluor[®]488 Goat anti-Rabbit used at a 1/1,000 dilution.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab254323**).



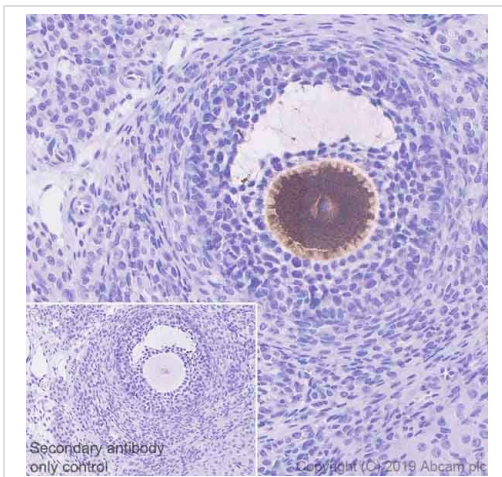
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free (ab255330)

Immunohistochemical analysis of paraffin-embedded mouse ovary tissue labeling GDF 9 with **ab254323** at 1/2000 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on mouse ovarian follicles (PMID: 21401961). The section was incubated with **ab254323** for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab254323**).



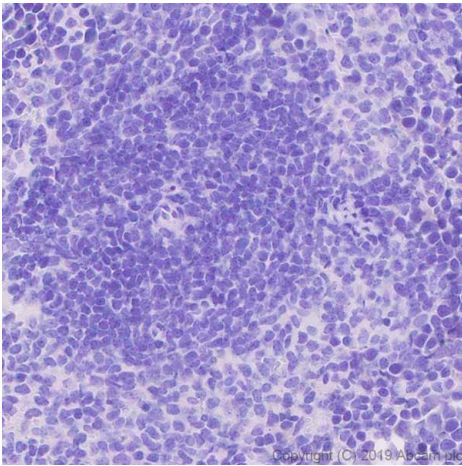
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free (ab255330)

Immunohistochemical analysis of paraffin-embedded rat ovary tissue labeling GDF 9 with **ab254323** at 1/2000 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on rat ovarian follicles (PMID: 21401961). The section was incubated with **ab254323** for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab254323**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody [EPR22495-129] - BSA and Azide free (ab255330)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling GDF 9 with **ab254323** at 1/2000 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). **Negative control:** No staining on mouse spleen (PMID: 22732078). The section was incubated with **ab254323** for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab254323**).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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