

Product datasheet

Anti-YTHDC1 antibody [EPR21821] - BSA and Azide free ab251648

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-YTHDC1 antibody [EPR21821] - BSA and Azide free
Description	Rabbit monoclonal [EPR21821] to YTHDC1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, 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	IHC-P: Human testis, endometrial carcinoma, mouse testis and rat spleen tissue.
General notes	<p>ab251648 is the carrier-free version of ab220159.</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	EPR21821
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251648 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

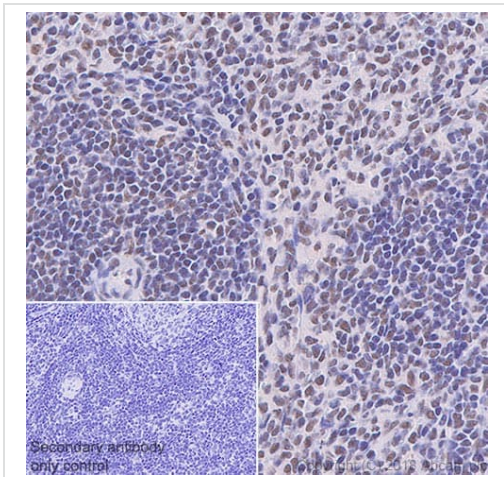
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 95, 100 kDa (predicted molecular weight: 85 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

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

Target

Function	May be part of a signal transduction pathway that influences splice site selection.
Sequence similarities	Contains 1 YTH domain.
Cellular localization	Nucleus. Localizes to a novel subnuclear structure, the YT bodies.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-YTHDC1 antibody [EPR21821] - BSA and Azide free (ab251648)

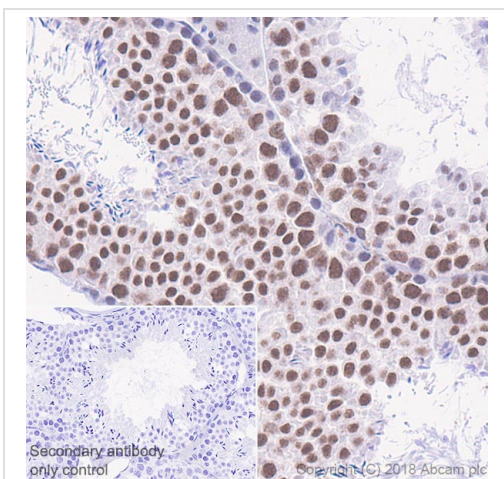
Immunohistochemical analysis of paraffin-embedded rat spleen tissue stained for YTHDC1 with **ab220159** at 1/500 dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on rat spleen (PMID: 27602518; PMID: 29103884) is observed. Counterstained with Hematoxylin.

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

The section was incubated with **ab220159** for 30 mins at 37°C. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab220159**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-YTHDC1 antibody [EPR21821] - BSA and Azide free (ab251648)

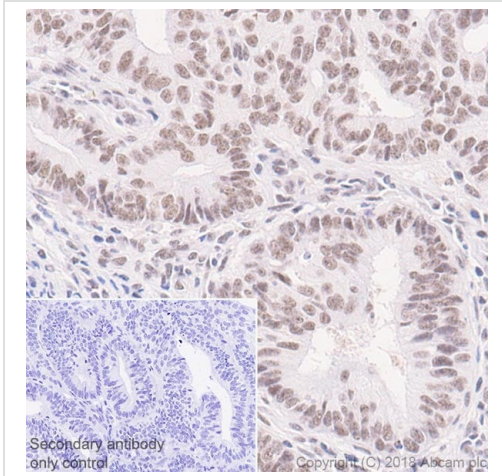
Immunohistochemical analysis of paraffin-embedded mouse testis tissue stained for YTHDC1 with **ab220159** at 1/500 dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on mouse testis (PMID: 27602518; PMID: 29103884) is observed. Counterstained with Hematoxylin.

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

The section was incubated with **ab220159** for 30 mins at 37°C. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab220159**).

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-YTHDC1 antibody [EPR21821] - BSA and Azide free (ab251648)

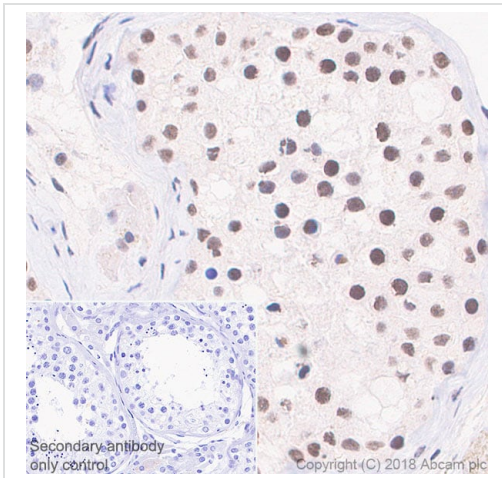
Immunohistochemical analysis of paraffin-embedded human endometrial carcinoma tissue stained for YTHDC1 with **ab220159** at 1/500 dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on human endometrial carcinoma (PMID: 27602518; PMID: 29103884) is observed. Counterstained with Hematoxylin.

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

The section was incubated with **ab220159** for 30 mins at 37°C. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab220159**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-YTHDC1 antibody [EPR21821] - BSA and Azide free (ab251648)

Immunohistochemical analysis of paraffin-embedded Human testis tissue stained for YTHDC1 with **ab220159** at 1/500 dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on human testis (PMID: 27602518; PMID: 29103884) is observed. Counterstained with Hematoxylin.

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

The section was incubated with **ab220159** for 30 mins at 37°C. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument.

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Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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

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

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