

Product datasheet

Anti-TTC4 antibody [EPR13381-76] ab181195

Recombinant RabMAb

5 Images

Overview

Product name	Anti-TTC4 antibody [EPR13381-76]
Description	Rabbit monoclonal [EPR13381-76] to TTC4
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment within Human TTC4 aa 1-150. The exact sequence is proprietary. Database link: O95801
Positive control	293T, HepG2, MCF7 and U87-MG cell lysates; Human testis and Human transitional cell carcinoma of bladder tissue; MCF7 cells

General notes

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work

with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13381-76
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab181195** in the following tested applications.

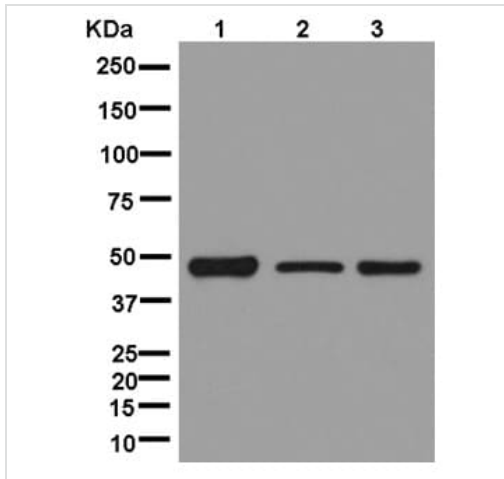
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000 - 1/10000. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).
ICC/IF		1/100 - 1/250.

Target

Relevance	TTC4 contains three tetratricopeptide repeats. The 34-amino acid tetratricopeptide repeat (TPR) motif is found in a variety of proteins and may mediate protein-protein or protein-membrane interactions.
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Images



Western blot - Anti-TTC4 antibody [EPR13381-76] (ab181195)

All lanes : Anti-TTC4 antibody [EPR13381-76] (ab181195) at 1/20000 dilution

Lane 1 : 293T cell lysate

Lane 2 : HepG2 cell lysate

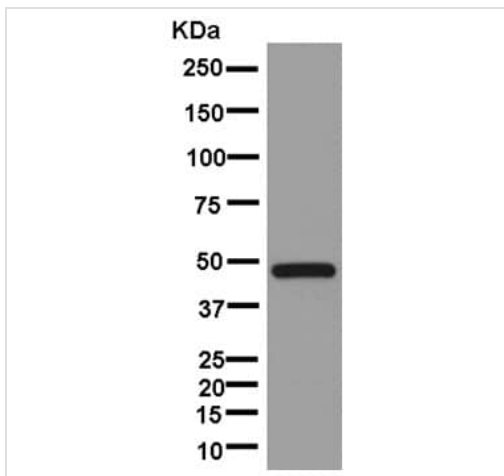
Lane 3 : U87-MG cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 45 kDa



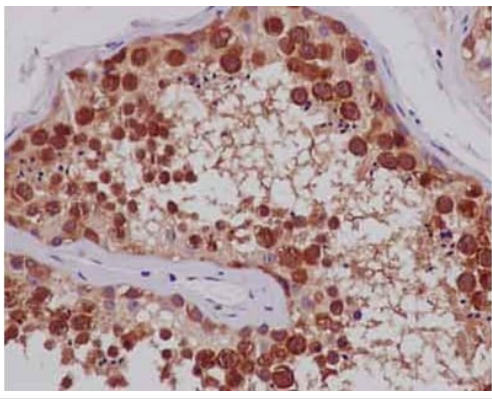
Western blot - Anti-TTC4 antibody [EPR13381-76] (ab181195)

Anti-TTC4 antibody [EPR13381-76] (ab181195) at 1/5000 dilution + MCF7 cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

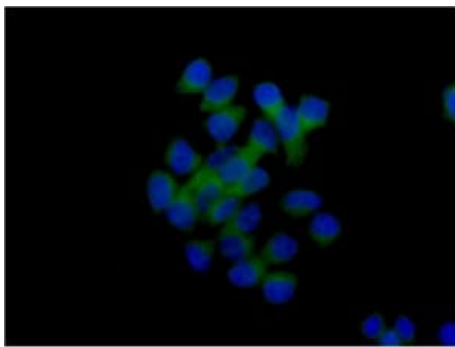
Predicted band size: 45 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTC4 antibody [EPR13381-76] (ab181195)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling TTC4 with ab181195 at 1/100 dilution. Secondary antibody: anti rabbit IgG (HRP), prediluted. Counter stain: Hematoxylin.


Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.





Immunocytochemistry/ Immunofluorescence - Anti-TTC4 antibody [EPR13381-76] (ab181195)


Immunofluorescent analysis of 4% paraformaldehyde fixed MCF7 cells labeling TTC4 with ab181195 at 1/250 dilution. Secondary antibody: Goat anti rabbit IgG (Alexa Fluor® 488) at a 1/200 dilution. Conterstained with Dapi (blue).

Why choose a recombinant antibody?

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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-TTC4 antibody [EPR13381-76] (ab181195)

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

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