

Product datasheet

Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free ab250953


KO VALIDATED

Recombinant

RabMAb

6 Images

Overview

Product name	Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free
Description	Rabbit monoclonal [EPR15617-50] to PPP2R5D - BSA and Azide free
Host species	Rabbit
Specificity	Based on sequence analysis, this antibody recognizes 3 isoforms with the predicted MWs of 58kDa, 66kDa and 70kDa, respectively.
Tested applications	Suitable for: IP, WB, IHC-P
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A431, MCF7, C6, HepG2, HeLa, Jurkat and 293T cell lysates. IHC-P: Human brain and astrocytoma tissues. IP: 293T cells.
General notes	<p>ab250953 is the carrier-free version of ab188325.</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

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](#).

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	EPR15617-50
Isotype	IgG

Applications

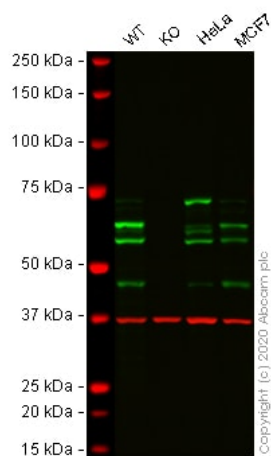
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab250953 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 70 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98 degree C, below boiling, and then let cool for 10-20 minutes.

Target

Function	The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.
Tissue specificity	Isoform Delta-2 is widely expressed. Isoform Delta-1 is highly expressed in brain.
Sequence similarities	Belongs to the phosphatase 2A regulatory subunit B56 family.
Cellular localization	Cytoplasm. Nucleus. Nuclear in interphase, nuclear during mitosis.

Images



Western blot - Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free (ab250953)

All lanes : Anti-PPP2R5D antibody [EPR15617-50] ([ab188325](#)) at 1/10000 dilution

Lane 1 : Wild-type A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : PPP2R5D knockout A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 4 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

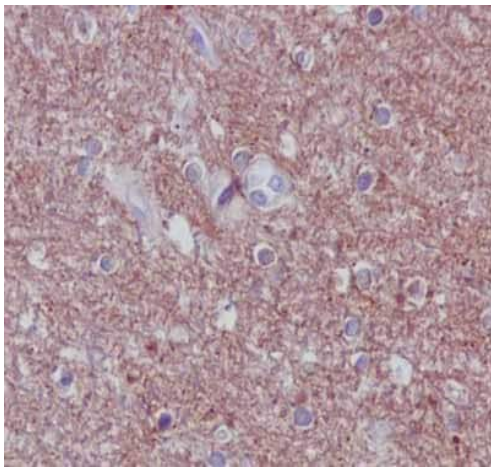
Predicted band size: 70 kDa

Observed band size: 60-65 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab188325](#)).

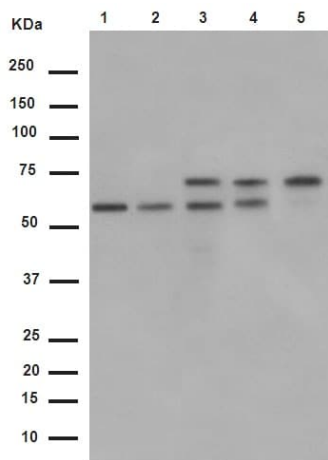
Lanes 1 -4: Merged signal (red and green). Green - [ab188325](#) observed at 60-65 kDa. Red - loading control [ab8245](#) (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

[ab188325](#) was shown to react with PPP2R5D in wild-type A431 cells in western blot with loss of signal observed in PPP2R5D knockout sample. Wild-type and PPP2R5D A431 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with [ab188325](#) and [ab8245](#) (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 10000 Dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free (ab250953)

This data was developed using **ab188325**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling PPP2R5D with **ab188325** at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free (ab250953)

All lanes : Anti-PPP2R5D antibody [EPR15617-50] (**ab188325**) at 1/50000 dilution

Lane 1 : C6 cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : 293T cell lysate

Lane 4 : HeLa cell lysate

Lane 5 : Jurkat cell lysate

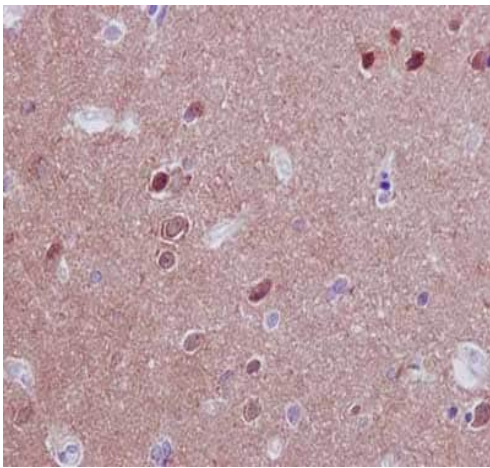
Lysates/proteins at 10 µg per lane.

Secondary

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

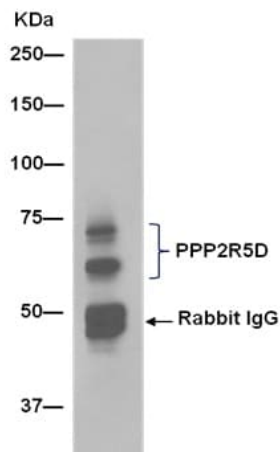
Predicted band size: 70 kDa

This data was developed using **ab188325**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free (ab250953)

This data was developed using [ab188325](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human astrocytoma tissue labeling PPP2R5D with [ab188325](#) at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-PPP2R5D antibody [EPR15617-50] - BSA and Azide free (ab250953)

This data was developed using [ab188325](#), the same antibody clone in a different buffer formulation. Western blot analysis of PPP2R5D in 293T cell lysate immunoprecipitated with [ab188325](#) at 1/50 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1500 was used as secondary antibody.

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-PPP2R5D antibody [EPR15617-50] - BSA and Azide free (ab250953)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors