

Product datasheet

Anti-PPP2R2D antibody [EPR13624] ab181071

Recombinant RabMAb

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Overview

Product name	Anti-PPP2R2D antibody [EPR13624]
Description	Rabbit monoclonal [EPR13624] to PPP2R2D
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, SH-SY5Y and Human fetal brain lysates.
General notes	<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 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, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13624
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181071 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		1/1000 - 1/2000. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).

Application notes

Is unsuitable for ICC/IF or IHC-P.

Target

Function

B regulatory subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit. The activity of PP2A complexes containing PPP2R2D (PR55-delta) fluctuate during the cell cycle: the activity is high in interphase and low in mitosis. During mitosis, activity of PP2A is inhibited via interaction with phosphorylated ENSA and ARPP19 inhibitors. Within the PP2A complexes, the B regulatory subunits modulate substrate selectivity and catalytic activity, and also may direct the localization of the catalytic enzyme to a particular subcellular compartment.

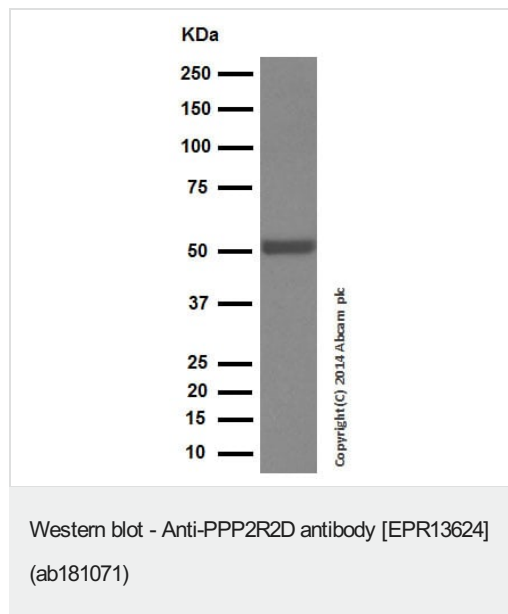
Sequence similarities

Belongs to the phosphatase 2A regulatory subunit B family.
Contains 7 WD repeats.

Cellular localization

Cytoplasm.

Images



Anti-PPP2R2D antibody [EPR13624] (ab181071) at 1/5000 dilution (purified) + Rat brain tissue lysate at 20 µg

Secondary

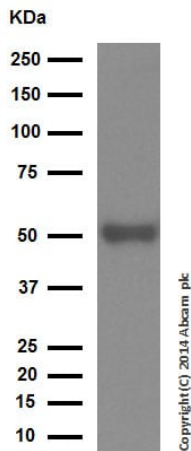
HRP conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Blocking Buffer: 5% NFDm/TBST

Dilution Buffer: 5% NFDm/TBST



Western blot - Anti-PPP2R2D antibody [EPR13624] (ab181071)

Anti-PPP2R2D antibody [EPR13624] (ab181071) at 1/5000 dilution (purified) + Mouse brain tissue lysate

Secondary

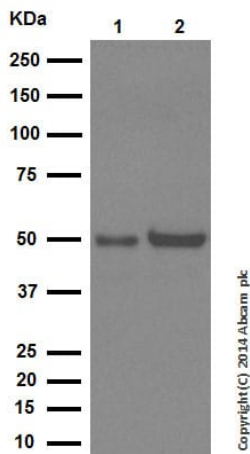
HRP conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Blocking Buffer: 5% NFDM/TBST

Dilution Buffer: 5% NFDM/TBST



Western blot - Anti-PPP2R2D antibody [EPR13624] (ab181071)

All lanes : Anti-PPP2R2D antibody [EPR13624] (ab181071) at 1/1000 dilution (purified)

Lane 1 : SH-SY5Y cell lysate

Lane 2 : Human fetal brain tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

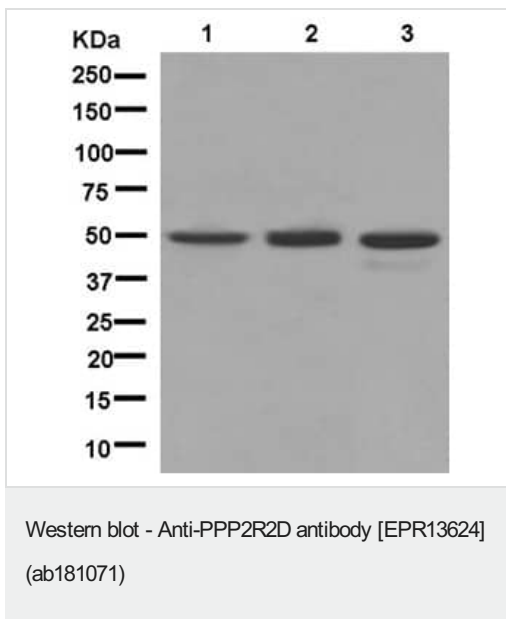
All lanes : HRP conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Blocking Buffer: 5% NFDM/TBST

Dilution Buffer: 5% NFDM/TBST



All lanes : Anti-PPP2R2D antibody [EPR13624] (ab181071) at 1/2000 dilution (unpurified)

Lane 1 : HeLa cell lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : Human fetal brain lysate

Lysates/proteins at 20 µg per lane.





Secondary

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

Predicted band size: 52 kDa

Observed band size: 52 kDa

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>

Anti-PPP2R2D antibody [EPR13624] (ab181071)

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

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