


Product datasheet

Anti-PPP1R16B antibody ab92851

1 Image

Overview

<b>Product name</b>	Anti-PPP1R16B antibody
<b>Description</b>	Rabbit polyclonal to PPP1R16B
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthesized peptide derived from internal of human PPP1R16B.
<b>Positive control</b>	Extracts from mouse brain cells

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS , 150mM Sodium chloride, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab92851** 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
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WB

ELISA

**Application notes** ELISA: 1/10,000.

WB: 1/500 - 1/1000. Predicted molecular weight: 64 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

### Function

Regulator of protein phosphatase 1 (PP1) that acts as a positive regulator of pulmonary endothelial cell (EC) barrier function. Involved in PKA-mediated moesin dephosphorylation which is important in EC barrier protection against thrombin stimulation. Promotes the interaction of PPP1CA with RPSA/LAMR1 and in turn facilitates the dephosphorylation of RPSA/LAMR1. Involved in the regulation of endothelial cell filopodia extension. May be a downstream target for TGF-beta1 signaling cascade in endothelial cells.

### Tissue specificity

Highly expressed in vascular endothelium, CNS, lung, spleen, kidney and testis.

### Sequence similarities

Contains 5 ANK repeats.

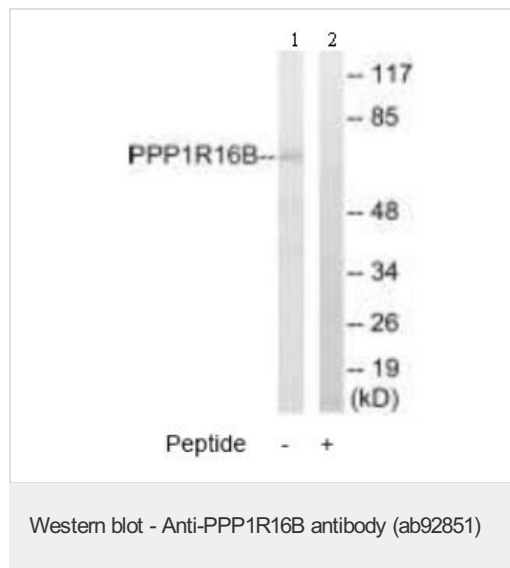
### Post-translational modifications

Phosphorylated by PKA and, after PKA priming, by GSK3B. Phosphorylation by GSK3B reduces its association with PP1C and enhances PP1C activity. Dephosphorylation by its associated PP1C results in enhanced association with PP1C, but reduced PP1C activity.

### Cellular localization

Cell membrane. Cell membrane. Nucleus. Co-localizes with RPSA/LAMR1 in the cell membrane.

## Images



**All lanes :** Anti-PPP1R16B antibody (ab92851) at 1/500 dilution

**Lane 1 :** Extracts from mouse brain cells

**Lane 2 :** Extracts from mouse brain cells with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 64 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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