

Anti-PPP1R16B Antibody
Rabbit polyclonal antibody to PPP1R16B
Catalog # AP60981**Specification**

Anti-PPP1R16B Antibody - Product Information

Application	WB
Primary Accession	Q96T49
Other Accession	Q8VHQ3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63551

Anti-PPP1R16B Antibody - Additional Information**Gene ID** 26051**Other Names**

ANKRD4; KIAA0823; Protein phosphatase 1 regulatory inhibitor subunit 16B; Ankyrin repeat domain-containing protein 4; CAAX box protein TIMAP; TGF-beta-inhibited membrane-associated protein; hTIMAP

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PPP1R16B. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-PPP1R16B Antibody - Protein Information**Name** PPP1R16B**Synonyms** ANKRD4, KIAA0823**Function**

Regulator of protein phosphatase 1 (PP1) that acts as a positive regulator of pulmonary endothelial cell (EC) barrier function (PubMed:18586956). Involved in the regulation of the PI3K/AKT signaling pathway, angiogenesis and endothelial cell proliferation (PubMed:25007873). Regulates angiogenesis and endothelial cell proliferation through the control of ECE1 dephosphorylation, trafficking and activity (By similarity). Protects the endothelial barrier from lipopolysaccharide (LPS)-induced vascular leakage (By similarity). Involved in the regulation of endothelial cell filopodia extension (By similarity). May be a downstream target for TGF-beta1 signaling cascade in endothelial cells (PubMed:16263087, PubMed:18586956). Involved in PKA-mediated moesin dephosphorylation which is important in EC barrier protection against thrombin stimulation (PubMed:18586956). Promotes the interaction of PPP1CA with RPSA/LAMR1 and in turn facilitates the dephosphorylation of RPSA/LAMR1 (PubMed:16263087). Involved in the dephosphorylation of EEF1A1 (PubMed:26497934).

Cellular Location

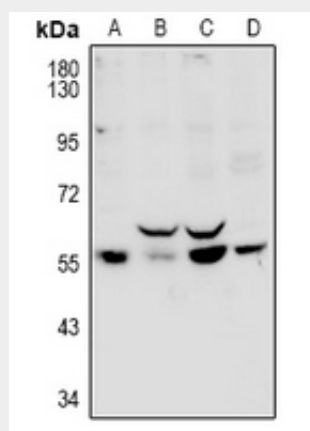
Cell membrane. Cell membrane; Lipid-anchor. Nucleus. Cell projection. Note=Colocalizes with RPSA/LAMR1 in the cell membrane (PubMed:16263087). Localizes to the perinuclear region (By similarity). Colocalizes with PTEN at the tip of EC projections (PubMed:25007873). {ECO:0000250|UniProtKB:Q95N27, ECO:0000269|PubMed:16263087, ECO:0000269|PubMed:25007873}

Anti-PPP1R16B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PPP1R16B Antibody - Images



Western blot analysis of PPP1R16B expression in HEK293T (A), U87MG (B), C6 (C), CT26 (D) whole cell lysates.

Anti-PPP1R16B Antibody - Background

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