

Rabbit anti-Human, Mouse PPP1R16B Polyclonal Antibody | anti-PPP1R16B antibody

PPP1R16B Antibody

CATALOG # AAA324999	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PPP1R16B; Polyclonal Antibody; PPP1R16B Antibody; ANKRD4; Ankyrin repeat domain containing protein 4; ankyrin repeat domain protein 4; Ankyrin repeat domain-containing protein 4; CAAX box protein TIMAP; hTIMAP; KIAA0823; PP16B_HUMAN; Protein phosphatase 1 regulatory inhibitor subunit 16B; protein phosphatase 1; regulatory (inhibitor) subunit 16B; TGF beta inhibited membrane associated protein; TGF-beta-inhibited membrane-associated protein; TIMAP; anti-PPP1R16B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PPP1R16B antibody detects endogenous levels of total PPP1R16B
Purity/Purification	Peptide affinity purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	525
Applicable Applications for anti-PPP1R16B antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human PPP1R16B, corresponding to a region within the internal amino acids.
Subcellular Location	Nucleus; Plasma Membrane
Tissue Specificity	Inhibited by TGFB1 (Probable). Down-regulated by LPS (PubMed:21907835).
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (94%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (93%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324999 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA324999) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from mouse brain cells, using PPP1R16B antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R16B antibody

Function: Regulator of protein phosphatase (PP1) that acts as a positive regulator of pulmonary endothelial cell (EC) barrier function (PubMed: 8585956). 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 ECE 1 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 185869561).

NCBI AND UNIPROT INFORMATION

NCBI GI #	289629249
NCBI GeneID	26051
NCBI Accession #	NP_001166206.1
NCBI GenBank Nucleotide #	NM_001172735.2
UniProt Accession #	Q96T49; O94912; Q5W9G4; Q9NQG4; A2RRR6; E9PFS8
Molecular Weight	Observed: 64 kD Predicted: 64 kDa
NCBI Official Full Name	protein phosphatase 1 regulatory inhibitor subunit 16B isoform 2
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory subunit 16B
NCBI Official Symbol	PPP1R16B
NCBI Official Synonym Symbols	TIMAP; ANKRD4
NCBI Protein Information	protein phosphatase 1 regulatory inhibitor subunit 16B
UniProt Protein Name	Protein phosphatase 1 regulatory inhibitor subunit 16B
UniProt Gene Name	PPP1R16B
UniProt Synonym Gene Names	ANKRD4; KIAA0823; hTIMAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppp1r16b-antibody-western-blot-elisa/324999>