



# TIMAP Monoclonal Antibody

<b>Catalog No</b>	BYmab-04244
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	PPP1R16B
<b>Protein Name</b>	Protein phosphatase 1 regulatory inhibitor subunit 16B
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PPP1R16B. AA range:364-413
<b>Specificity</b>	TIMAP Monoclonal Antibody detects endogenous levels of TIMAP protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PPP1R16B; 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
<b>Observed Band</b>	64kD
<b>Cell Pathway</b>	Cell membrane . Cell membrane ; Lipid-anchor . Nucleus . Cell projection . 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). .
<b>Tissue Specificity</b>	Brain,
<b>Function</b>	function:May be a downstream target for TGF-beta1 signaling cascade in endothelial cells.,induction:Inhibited by TGF-beta1.,similarity:Contains 5 ANK repeats.,subunit:Binds PP1.,tissue specificity:Highly expressed in vascular endothelium, CNS, lung, spleen, kidney and testis.,
<b>Background</b>	The protein encoded by this gene is membrane-associated and contains five ankyrin repeats, a protein phosphatase-1-interacting domain, and a

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carboxy-terminal CAAX box domain. Synthesis of the encoded protein is inhibited by transforming growth factor beta-1. The protein may bind to the membrane through its CAAX box domain and may act as a signaling molecule through interaction with protein phosphatase-1. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Sep 2015],

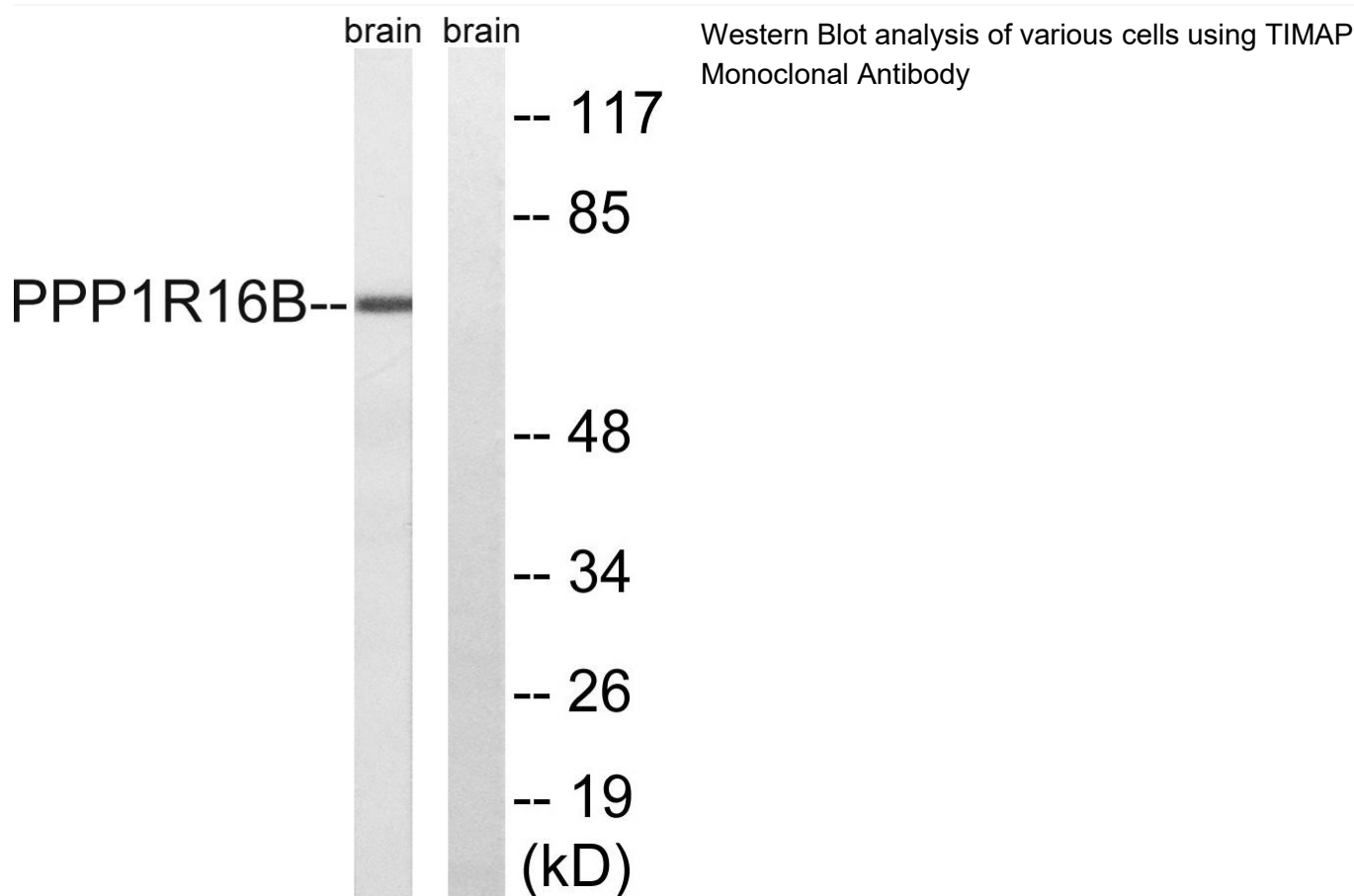
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



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