



TIMAP Monoclonal Antibody

Catalog No	YP-mAb-04244
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PPP1R16B
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP1R16B. AA range:364-413
Specificity	TIMAP Monoclonal Antibody detects endogenous levels of TIMAP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TIMAP;ANKRD4;PPP1R16B;Protein phosphatase 1 regulatory inhibitor subunit 16B;KIAA0823;Ankyrin repeat domain-containing protein 4;CAAX box protein TIMAP;TGF-beta-inhibited membrane-associated protein;hTIMAP
Observed Band	64kD
Calculated Molecular Weight	64kD
Cell Pathway	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). .
Tissue Specificity	Brain,
Function	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.,



Background

The protein encoded by this gene is membrane-associated and contains five ankyrin repeats, a protein phosphatase-1-interacting domain, and a 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

