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**Product Name: TIMAP Rabbit Polyclonal Antibody****Catalog #: APRab18945**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:50-1:300
<b>Molecular Weight</b>	64kDa

**Antigen Information**

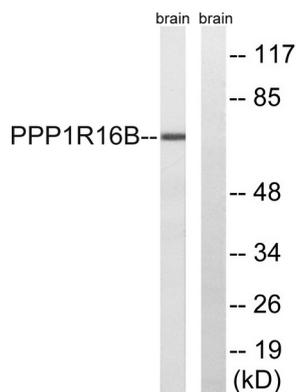
<b>Gene Name</b>	PPP1R16B PPP1R16B; ANKRD4; KIAA0823; Protein phosphatase 1 regulatory inhibitor subunit 16B;
<b>Alternative Names</b>	Ankyrin repeat domain-containing protein 4; CAAX box protein TIMAP; TGF-beta-inhibited membrane-associated protein; hTIMAP
<b>Gene ID</b>	26051.0
<b>SwissProt ID</b>	Q96T49
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PPP1R16B. AA range:364-413

## 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],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.,

## Research Area

### Image Data



Western blot analysis of lysates from mouse brain, using PPP1R16B Antibody. The lane on the right is blocked with the synthesized peptide.