Product Name: PP2A-B56-δ Rabbit Polyclonal Antibody
Catalog #: APRab16395
For research use only.

Summary

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

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	70kDa

Antigen Information

Gene Name	PPP2R5D
Alternative Names	PPP2R5D; Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform; PP2A B subunit isoform B'-delta; PP2A B subunit isoform B56-delta; PP2A B subunit isoform PR61-delta; PP2A B subunit isoform R5-delta
Gene ID	5528.0
SwissProt ID	Q14738
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP2R5D. AA range:544-593

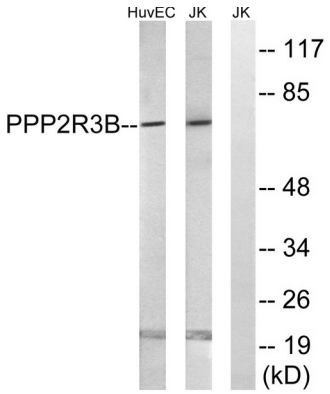
Background

The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a delta isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],function:The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.,induction:By retinoic acid; in neuroblastoma cell lines.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the phosphatase 2A regulatory subunit B56 family.,subcellular location:Nuclear in interphase, nuclear during mitosis.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B''/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins, and cell signaling molecules. Interacts with SGOL1.,tissue specificity:Isoform Delta-2 is widely expressed. Isoform Delta-1 is highly expressed in brain.,

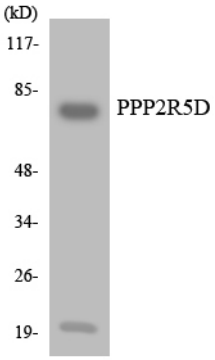
Research Area

Oocyte meiosis;WNT;WNT-T CELL

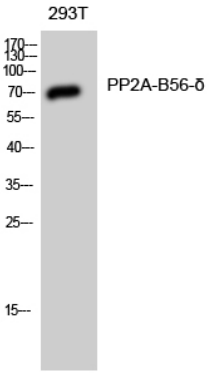
Image Data



Western blot analysis of lysates from Jurkat and HUVEC cells, using PPP2R5D Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using PPP2R5D antibody.



Western Blot analysis of 293T cells using PP2A-B56-δ Polyclonal Antibody diluted at 1：1000