PP2A-B55-β Rabbit pAb

CatalogNo: YT3827

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC

MW
- 51kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from PP2A-B55-β . at AA range: 90-170
Specificity	PP2A-B55-β Polyclonal Antibody detects endogenous levels of PP2A-B55-β protein.

Target Information

Gene name	PPP2R2B

Protein Name Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform

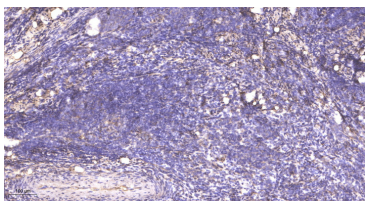
Organism	Gene ID	UniProt ID
Human	5521;	Q00005;
Mouse	72930;	Q6ZWR4;
Rat	60660;	P36877;

Cellular Localization [Isoform 1]: Cytoplasm . Cytoplasm, cytoskeleton . Membrane .; [Isoform 2]: Cytoplasm . Mitochondrion . Mitochondrion outer membrane . Under basal conditions, localizes to both cytosolic and mitochondrial compartments. Relocalizes from the cytosolic to the mitochondrial compartment during apoptosis. Its targeting to the outer mitochondrial membrane (OMM) involves an association with import receptors of the TOM complex and is required to promote proapoptotic activity (By similarity). .

Tissue specificity Brain.

Function Disease:Defects in PPP2R2B are the cause of spinocerebellar ataxia type 12 (SCA12) [MIM:604326]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA12 is an autosomal dominant cerebellar ataxia (ADCA).,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.,similarity:Belongs to the phosphatase 2A regulatory subunit B family.,similarity:Contains 7 WD repeats.,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.,tissue specificity:Brain.,

Validation Data



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
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