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Datasheet for ABIN306653

anti-PPP2R5D antibody (Catalytic Subunit)

Overview

Quantity:	100 µg
Target:	PPP2R5D
Binding Specificity:	Catalytic Subunit
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP2R5D antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	The immunogen used to generate the purified antibody was a peptide conjugated to KLH corresponding to the sequence NH ₂ -Cys-Ala-Val-Pro-Asp-Ser-Glu-Arg-Val-IlePro-Pro-Arg-Thr-Thr-Thr-Pro-Tyr-COOH. This peptide antibody corresponds to C -terminal peptide of PPV catalytic subunit having a MW of 33kDa.
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Characteristics:	pp2A/Bd, rabbit anti protein phosphatase 2A, B subunit delta, PP2A B subunit delta, A protein phosphatase is a phosphatase enzyme that removes a phosphate group from the phosphorylated amino acid residue of its substrate protein. Protein phosphorylation is one of the most common forms of reversible protein posttranslational modification (PTM), with up to 30 % of all proteins being phosphorylated at any given time. Protein kinases (PKs) are the

Product Details

effectors of phosphorylation and catalyse the transfer of a γ -phosphate from ATP to specific amino acids on proteins. Several hundred PKs exist in mammals and are classified into distinct super-families. Proteins are phosphorylated predominantly on Ser, Thr and Tyr residues, which account for 79.3, 16.9 and 3.8 % respectively of the phosphoproteome, at least in mammals. In contrast, protein phosphatases (PPs) are the primary effectors of dephosphorylation and can be grouped into three main classes based on sequence, structure and catalytic function. The largest class of PPs is the phosphoprotein phosphatase (PPP) family comprising PP1, PP2A, PP2B, PP4, PP5, PP6 and PP7, and the protein phosphatase Mg^{2-} or Mn^{2-} -dependent (PPM) family, composed primarily of PP2C.

Purification: Ammonium Sulfate Precipitation

Target Details

Target: PPP2R5D

Alternative Name: Protein Phosphatase 2 A/B delta ([PPP2R5D Products](#))

Pathways: [PI3K-Akt Signaling](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Applications: Immunoblotting 1-10 μ g/mL and 10-20 μ g/mL for Immunoprecipitation.

Restrictions: For Research Use only

Handling

Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles