10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-DARPP32 Picoband Antibody

Catalog # ABO12565

Product Information

Application	WB, IHC-P
Primary Accession	Q9UD71
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Protein phosphatase 1 regulatory subunit 1B(PPP1R1B) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	84152
Other Names	Protein phosphatase 1 regulatory subunit 1B, DARPP-32, Dopamine- and cAMP-regulated neuronal phosphoprotein, PPP1R1B, DARPP32
Calculated MW	22963
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/ml, Human, Rat
Subcellular Localization	Cytoplasm.
Source	Eukaryota
Protein Name	Protein phosphatase 1 regulatory subunit 1B
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DARPP32 (1-36aa MDPKDRKKIQFSVPAPPSQLDPRQVEMIRRRRPTPA), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated

freezing and thawing.

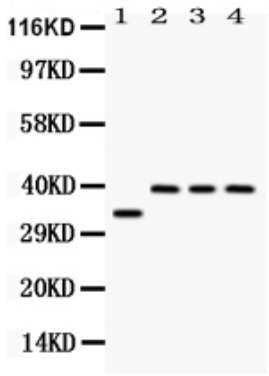
Protein Information

Name	PPP1R1B
Synonyms	DARPP32
Function	Inhibitor of protein-phosphatase 1.
Cellular Location	Cytoplasm.

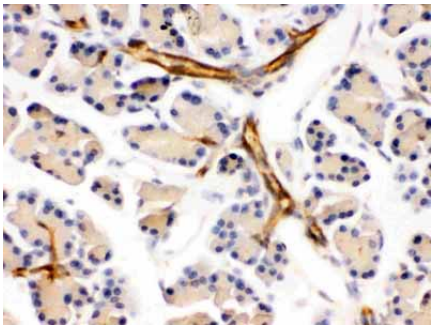
Background

Protein phosphatase 1 regulatory subunit 1B (PPP1R1B), also known as dopamine- and cAMP-regulated neuronal phosphoprotein (DARPP-32), is a protein that in humans is encoded by the PPP1R1B gene. This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene.

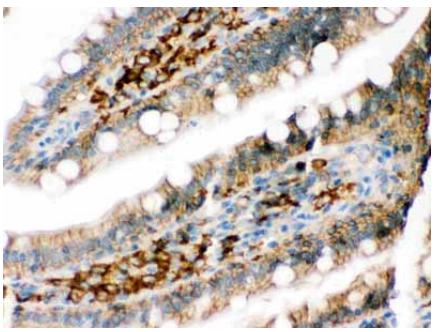
Images



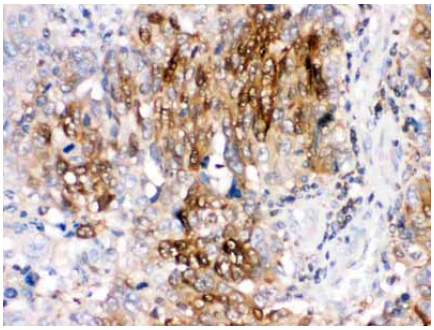
Western blot analysis of DARPP32 expression in rat brain extract (lane 1), SW620 whole cell lysates (lane 2), 22RV1 whole cell lysates (lane 3) and HELA whole cell lysates (lane 4). DARPP32 at 34KD, 39KD was detected using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody (Catalog # ABO12565) at0.5 □¼g/mL. The blot was developed using chemiluminescence (ECL) method .



DARPP32 was detected in paraffin-embedded sections of mouse pancreas tissues using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody (Catalog # ABO12565) at 1 ??g/mL. The immunohistochemical section was developed using SABC method .



DARPP32 was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody (Catalog # ABO12565) at 1 □¼g/mL. The immunohistochemical section was developed using SABC method .



DARPP32 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody (Catalog # ABO12565) at 1 μg/mL. The immunohistochemical section was developed using SABC method .