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Anti-DARPP32 Picoband Antibody

Catalog # ABO12565

Specification

Anti-DARPP32 Picoband Antibody - 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.

Anti-DARPP32 Picoband Antibody - 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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization
Cytoplasm.

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.

Anti-DARPP32 Picoband Antibody - Protein Information

Name PPP1R1B

Synonyms DARPP32

Function
Inhibitor of protein-phosphatase 1.

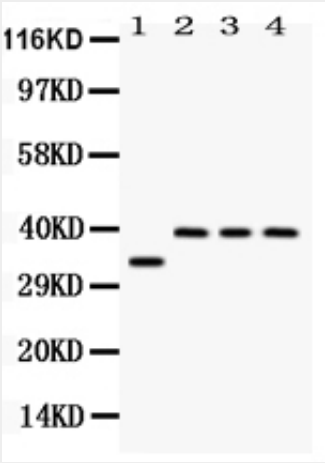
Cellular Location
Cytoplasm.

Anti-DARPP32 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

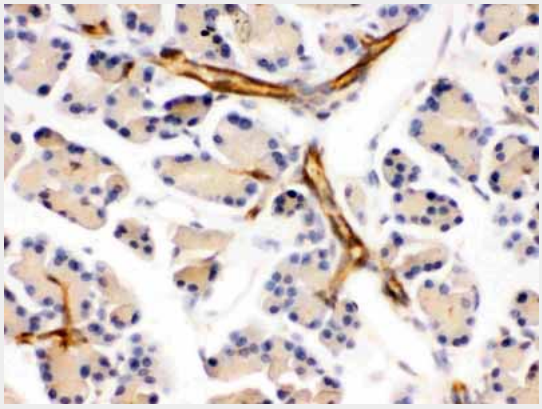
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-DARPP32 Picoband Antibody - Images

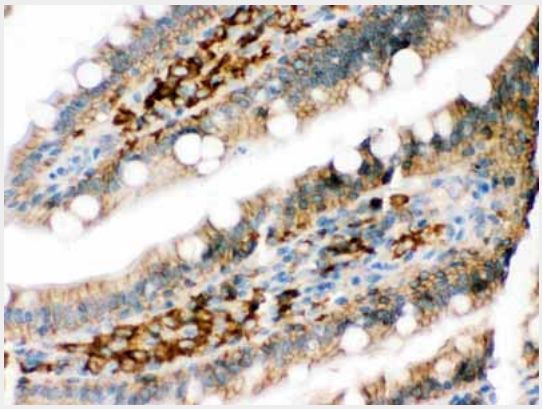


Western blot analysis of DARPP32 expression in rat brain extract (lane 1), SW620 whole cell lysates (lane 2), 22RV1 whole cell lysates (lane 3) and HELA whole cell lysates (lane 4). DARPP32

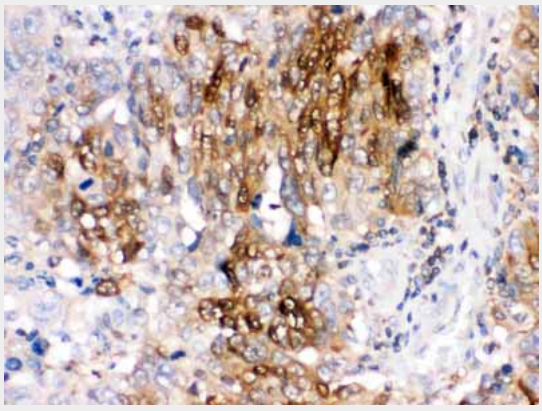
at 34KD, 39KD was detected using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody (Catalog # ABO12565) at0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method .



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 Î¼g/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 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-DARPP32 Picoband Antibody - Background

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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.