

DARPP32 Polyclonal Antibody | anti-DARPP32 antibody

Anti-DARPP32 Antibody

CATALOG # AAA46321	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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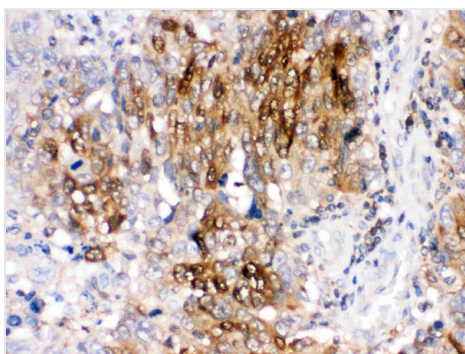
PRODUCT SYNONYMS

DARPP32; Polyclonal Antibody; Anti-DARPP32 Antibody; Protein phosphatase 1 regulatory subunit 1B; DARPP 32; DARPP-32; Dopamine and cAMP regulated neuronal phosphoprotein 32; Dopamine and cAMP regulated neuronal phosphoprotein; Dopamine and cAMP regulated phosphoprotein; Dopamine and cAMP regulated phosphoprotein DARPP 32; Dopamine and cAMP regulated phosphoprotein DARPP32; Dopamine- and cAMP-regulated neuronal phosphoprotein; FLJ20940; IPPD; Neuronal phosphoprotein DARPP 32; PPP1R1B; PPR1B_HUMAN; Protein phosphatase 1 regulatory (inhibitor) subunit 1B; protein phosphatase 1 regulatory inhibitor subunit 1B; anti-DARPP32 antibody

PRODUCT SPECIFICATIONS

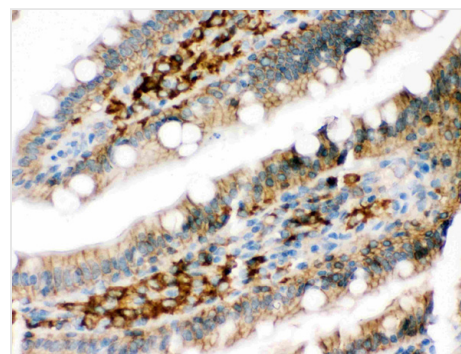
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	168
Applicable Applications for anti-DARPP32 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DARPP32 (1-36aa MDPKDRKKIQFSVPAPPSQLDPRQVEMIRRRRTPA), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



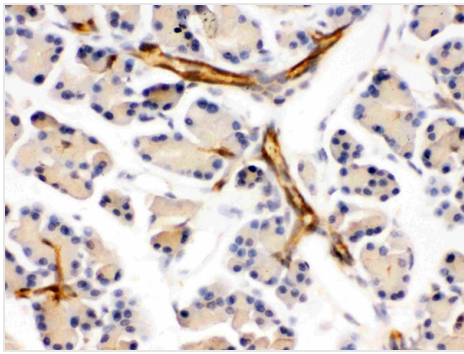
IHC (Immunohistochemistry)

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



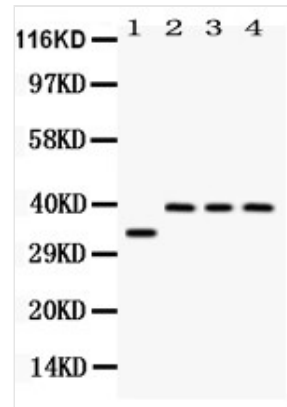
IHC (Immunohistochemistry)

DARPP32 was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

DARPP32 was detected in paraffin-embedded sections of mouse pancreas tissues using rabbit anti- DARPP32 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

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 at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-DARPP32 antibody	Description: Rabbit IgG polyclonal antibody for Protein phosphatase 1 regulatory subunit 1B(PPP1R1B) detection. Tested with WB, IHC-P in Human;Mouse;Rat. 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.
References	1. "Entrez Gene: PPP1R1B protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)". 2. Brené S, Lindefors N, Ehrlich M, Taubes T, Horiuchi A, Kopp J, Hall H, Sedvall G, Greengard P, Persson H (March 1994). "Expression of mRNAs encoding ARPP-16/19, ARPP-21, and DARPP-32 in human brain tissue". J. Neurosci. 14 (3 Pt 1): 985-98. 3. Ouimet CC, Greengard P (February 1990). "Distribution of DARPP-32 in the basal ganglia: an electron microscopic study". J. Neurocytol. 19 (1): 39-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	335057524
NCBI GeneID	84152
NCBI Accession #	NP_001229393.1
NCBI GenBank Nucleotide #	NM_001242464.1
UniProt Accession #	Q9UD71; Q547V9; Q547W0; Q9H7G1
Molecular Weight	18,738 Da
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 1B isoform 2
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory inhibitor subunit 1B
NCBI Official Symbol	PPP1R1B
NCBI Official Synonym Symbols	DARPP32; DARPP-32
NCBI Protein Information	protein phosphatase 1 regulatory subunit 1B
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 1B
UniProt Gene Name	PPP1R1B

UniProt Synonym Gene Names	DARPP32
UniProt Entry Name	PPR1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/darpp32-antibody-immunohistochemistry-western-blot-elisa/46321>