

DARPP-32 Antibody | anti-DARPP-32 antibody

DARPP-32 (Phospho-Thr34) Antibody

CATALOG # AAA109607	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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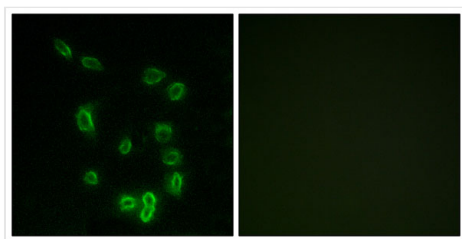
PRODUCT SYNONYMS

DARPP-32; DARPP-32 (Phospho-Thr34) Antibody; Dopamine-and cAMP-regulated neuronal phosphoprotein; IPPD; Neuronal phosphoprotein DARPP-32; PPP1R1B; PPR1B; anti-DARPP-32 antibody

PRODUCT SPECIFICATIONS

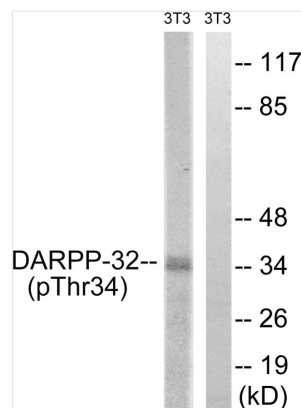
Reactivity	Human, Mouse, Rat
Specificity	DARPP-32 (Phospho-Thr34) antibody detects endogenous levels of DARPP-32 only when phosphorylated at threonine 34.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	168
Applicable Applications for anti-DARPP-32 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human DARPP-32 around the phosphorylation site of threonine 34 (R-P-TP-P-A).
All Sites	Human: Thr34 Mouse: Thr34 Rat: Thr34
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



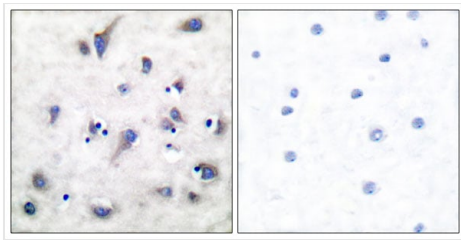
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HepG2 cells, using DARPP-32 (Phospho-Thr34) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using DARPP-32 (Phospho-Thr34) antibody. Western blot analysis of extracts from 3T3 cells, treated with PMA (125ng/ml, 30mins), using DARPP-32 (Phospho-Thr34) antibody.



Application Data
P-peptide+

ADDITIONAL INFORMATION

Product Categories/Family for anti-DARPP-32 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Ohta S., FEBS Lett. 242-31-35(1988). Kemmer D., BMC Genomics 7:48-48(2006). Martin J., Nature 432-988-994(2004).

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

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://www.aaabiotech.com/human-mouse-rat-antibody/darpp-32/109607>