

Rabbit DARPP-32 Polyclonal Antibody | anti-DARPP-32 antibody

Phospho-DARPP-32 (Ser97) Antibody

CATALOG # AAA321320	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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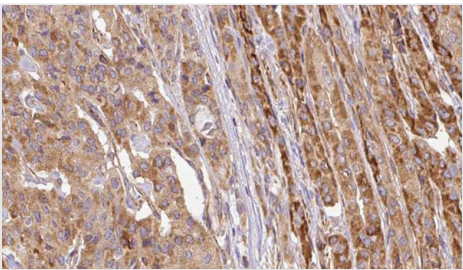
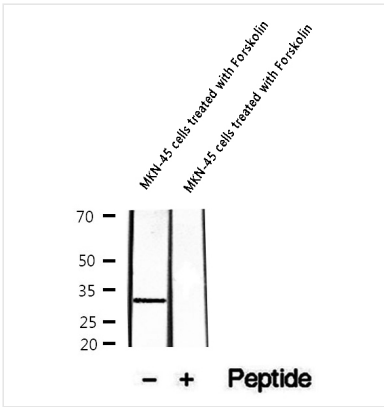
PRODUCT SYNONYMS

DARPP-32; Polyclonal Antibody; Phospho-DARPP-32 (Ser97) Antibody; 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; Protein phosphatase 1 regulatory subunit 1B; anti-DARPP-32 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-DARPP-32 (Ser97) antibody detects endogenous levels of DARPP-32.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	168
Applicable Applications for anti-DARPP-32 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DARPP-32 around the phosphorylation site of Ser97.
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Epitope	Phospho Ser97
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321320 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of MKN-45 cells treated with Forskolin, using Phospho-DARPP-32 (Ser97) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DARPP-32 antibody	Function: Inhibitor of protein-phosphatase 1. Post-translational Modifications: Dopamine-and cyclic AMP-regulated neuronal phosphoprotein. Phosphorylation of Thr-34 is required for activity. Similarity: Belongs to the protein phosphatase inhibitor 1 family.
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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	Observed: 32 kDa Predicted: 23 kDa
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.