Product Datasheet

DARPP-32 [p Thr34] Antibody - Azide Free
NB300-224

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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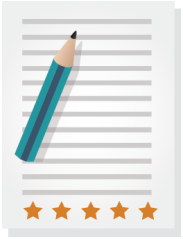


NB300-224

DARPP-32 [p Thr34] Antibody - Azide Free

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	32 kDa

Product Description

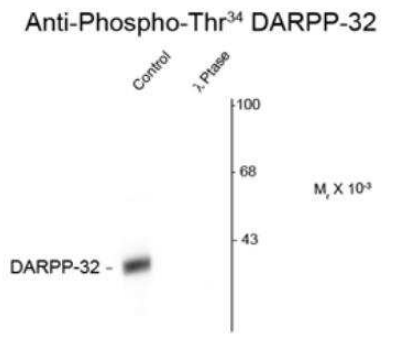
Host	Rabbit
Gene ID	84152
Gene Symbol	PPP1R1B
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24316474). Human reactivity reported in scientific literature (PMID: 19301121).
Marker	Neuronal Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~32 kDa DARPP-32 protein phosphorylated at Thr34. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr34 conjugated to KLH. Accession # Q6J4I0

Product Application Details

Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500
Application Notes	This antibody is useful for Western blot, where a band is seen at approximately 32 kDa. Immunohistochemistry was reported in scientific literature.

Images

Western Blot: DARPP-32 [p Thr34] Antibody [NB300-224]



Western blot of rat caudate showing phospho-specific immunolabeling of the ~32k DARPP-32 protein phosphorylated at Thr34.

Publications

Yabuki Y, Ohizumi Y, Yokosuka A et al. Nobiletin treatment improves motor and cognitive deficits seen in MPTP-induced Parkinson model mice. Neuroscience 2013-12-04 [PMID: 24316474] (WB, Mouse)

Shioda N, Han F, Moriguchi S et al. Constitutively active calcineurin mediates delayed neuronal death through Fas-ligand expression via activation of NFAT and FKHR transcriptional activities in mouse brain ischemia. J Neurochem. 2007-09-01 [PMID: 17662023] (WB, Mouse)

Details:
DARP-32 (IMG-5373): WB (mouse brain tissue), Fig 2B.

Hamel S, Bouchard A, Ferrario C et al. Both t-Darpp and DARPP-32 can cause resistance to trastuzumab in breast cancer cells and are frequently expressed in primary breast cancers Breast Cancer Res Treat 2010-02-01 [PMID: 19301121] (IF/IHC, Human)

Han, J et al. Spatial targeting of type II protein kinase A to filopodia mediates the regulation of growth cone guidance by cAMP. J Cell Biol 176: 101-111. 2007-01-01 [PMID: 17200417] (WB, Rat)

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Products Related to NB300-224

NBL1-14679	DARPP-32 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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