

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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Publications: 4

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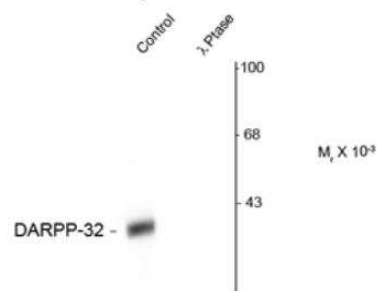
NB300-224**DARPP-32 [p Thr34] Antibody - Azide Free**

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	
Description	Novus Biologicals Rabbit DARPP-32 [p Thr34] Antibody - Azide Free (NB300-224) is a polyclonal antibody validated for use in IHC and WB. Anti-DARPP-32 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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]

Anti-Phospho-Thr³⁴ DARPP-32



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:

DARPP-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)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB300-224

NBL1-14679	DARPP-32 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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