Product Datasheet

DARPP-32 [p Thr75] Antibody - Azide Free NB300-234

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NB300-234

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NB300-234



NB300-234

DARPP-32 [p Thr75] 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	Mouse, Rat
Marker	Neuronal Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~32 kDa DARPP-32 protein phosphorylated at Thr75. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr75 conjugated to KLH. Accession # Q6J4I0
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000







Publications

Cunha AS, Matheus FC, Moretti M et al. Agmatine attenuates reserpine-induced oral dyskinesia in mice: Role of oxidative stress, nitric oxide and glutamate NMDA receptors. Behav. Brain Res. 2016-06-13 [PMID: 27306571] (WB, Mouse)

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] (WB, Human)

Han et al. Spatial targeting of type II protein kinase A to filopodia mediates the regu. J. Cell Biol. 176:101.1. 2007-01-01 [PMID: 14631045]

Lindskog, M, Svenningsson, P, Pozzi, L, Kim, Y, Fienberg, AA, Bibb, JA, Fredholm, BB, Nairn, AC, Greengard, P Fisone, G. Involvement of DARPP-32 phosphorylation in the stimulant action of caffeine, . Nature (London), 418 774 -778. 2002-01-01 [PMID: 12181566]

Maldve, RE, Zhang, TA, Ferrani-Kile, K, Schreiber, SS, Lippmann, MJ, Snyder, GL, Feinberg, AA, Leslie, SW, Gonzales, RA, Morrisett, RA. DARPP-32 the regulation of the ethanol sensitivity of NMDA receptors in the nucleus accumbens, Nature Neurosci. 5 641 - 648. 2002-01-01 [PMID: 12068305]

Greengard, P. The neurobiology of slow synaptic transmission, . Science 294 1024 -1030. 2001-01-01 [PMID: 11691979]

Bibb, JA, Snyder, GL, Nishi, A, Yan, Z, Meijer, L, Fienberg, AA, Tsai, LH, Kwon, YT, Girault, JA, Czernik, AJ, Huganir, RL, Hemmings, Jr, HC, Nairn, AC, Greengard, P. Phosphorylation of DARPP-32 by Cdk5 modulates dopamine signalling in neurons, . Nature (London) 402 669 - 671. 1999-01-01 [PMID: 10604473]

Fienberg, AA, Hiroi, N, Mermelstein, PG, Song, W, Snyder, GL, Nishi, A, Cheramy, A O'Callaghan, JP, Miller, DB, Cole, DG, Corbett, R, Haile, CN, Cooper, D,C, Onn, SP, Grace, AA, Ouimet, CC, White, FG, Hyman, SE, Surmeier, DG, Girault, J, Nestler, EJ, Greengard, P. DARPP-32: regulator of the efficacy of dopaminergic neurotransmission, . Science 281 838 - 842. 1998-01-01 [PMID: 9694658]

Walaas, SI Greengard, P+D1398. DARPP-32, A dopamine- adenosine 3':5'-monophosphate-regulated phosphoprotein enriched in dopamine-innervated brain regions, J. Neurosci 4 84 -98. 1984-01-01 [PMID: 6319625]





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@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NB300-234

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB300-234

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

