

Product Datasheet

Neurochondrin Antibody [FITC] NBP1-62175

Unit Size: 0.1 mg

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

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NBP1-62175

Neurochondrin Antibody [FITC]

Product Information	
Unit Size	0.1 mg
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	0.02% Sodium Azide
Isotype	IgG
Conjugate	FITC
Purity	Immunogen affinity purified
Buffer	Tris/Glycine buffer, pH 7.4-7.8, HEPES,BSA 0.5%, glycerol 30%.
Product Description	
Host	Rabbit
Gene ID	23154
Gene Symbol	NCDN
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID:25009471)
Specificity/Sensitivity	This antibody detects a single band of approximately 88.5kDa in Positive control samples. The antibody also labels a minor 35kDa, the identity of this protein is not known.
Immunogen	Synthetic peptides corresponding to unique epitope on NORB with peptide sequence corresponding to (EETASHYRMAALEQCLSEP). The NORB peptide was covalently modified post-synthetically to achieve desired antigenicity.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot > 1:500, ELISA < 1:10000, Immunocytochemistry/ Immunofluorescence
Application Notes	This antibody detects a single band of approximately 88.5kDa in PC- NORB samples. The antibody also labels a minor 35kDa, the identity of this protein is not known. Antibody NORB -101AP is ideal for WB and ELISA applications, other applications have not been tested. These antibodies do not cross react to human lactoferrin, bovine lactoferrin or bovine serum albumin. The species cross reactivity for these antibodies have not been examined fully. The dilutions for this antibody is for reference only, investigators are expected to determine the optimal conditions for specific assay. WB: > 1:500; IMM & i.p pull-down assays: n.d; IHC n.d. ELISA <1:10,000. Application of this antibody in protocols not listed here does not necessarily exclude its use in such procedures.



Publications

Ishiduka Y, Mochizuki R, Yanai K, Takatsuka M, Nonomura T, Niida S, Horiguchi H, Maeda N, Fukamizu A. Induction of hydroxyapatite resorptive activity in bone marrow cell populations resistant to bafilomycin A1 by a factor with restricted expression to bone and brain, neurochondrin. *Biochim Biophys Acta*;1450(1):92-8. 1999-05-06 [PMID: 10231559]

Wang H, Westin L, Nong Y, Birnbaum S, Bendor J, Brismar H, Nestler E, Aperia A, Flajolet M, Greengard P. Norbin is an endogenous regulator of metabotropic glutamate receptor 5 signaling. *Science*;326(5959):1554-7. 2009-12-11 [PMID: 20007903]

Schwaibold EM, Brandt DT. Identification of Neurochondrin as a new interaction partner of the FH3 domain of the Diaphanous-related formin Dia1. *Biochem Biophys Res Commun*;373(3):366-72. 2008-08-29 [PMID: 18572016]

Dateki M, Horii T, Kasuya Y et al. Neurochondrin negatively regulates CaMKII phosphorylation, and nervous system-specific gene disruption results in epileptic seizure. *J Biol Chem* 2005-05-27 [PMID: 15790563]

Mochizuki R, Dateki M, Yanai K, Ishizuka Y, Amizuka N, Kawashima H, Koga Y, Ozawa H, Fukamizu A. Targeted disruption of the neurochondrin/norbin gene results in embryonic lethality. *Biochem Biophys Res Commun*;310(4):1219-26. 2003-10-31 [PMID: 14559245]





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NBP1-50646PEP	Neurochondrin Peptide

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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