

# Product Datasheet

## Neurochondrin Antibody - BSA Free NBP1-60892-0.05mg

Unit Size: 0.05 mg

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

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**NBP1-60892-0.05mg**

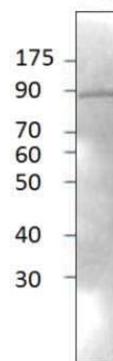
Neurochondrin Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris/Glycine buffer pH 7.5-7.9, stabilizing protein, and glycerol
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Neurochondrin Antibody - BSA Free (NBP1-60892) is a polyclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-Neurochondrin Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	23154
<b>Gene Symbol</b>	NCDN
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID:25009471)
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	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	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot > 1:500, ELISA < 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:200, Immunohistochemistry-Paraffin 1:100
<b>Application Notes</b>	Neurochondrin is ideal for WB and ELISA applications. 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 and ELISA <1:10,000. Application of this antibody in protocols not listed here does not necessarily exclude its use in such procedures.

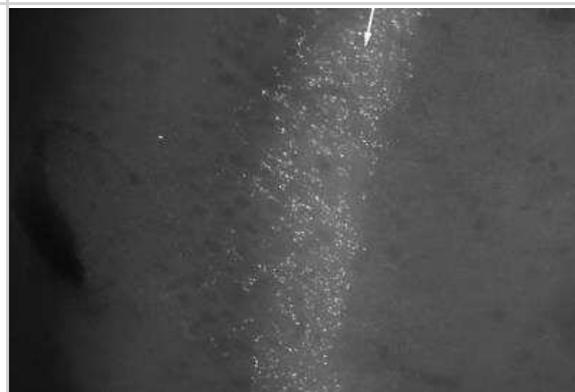


**Images**

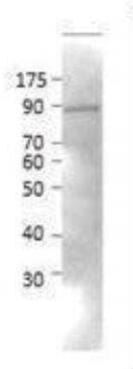
Western Blot: Neurochondrin Antibody [NBP1-60892] - 1:500 antibody dilution in DiluObuffer. Apparent MW is 90 KDa.



Immunohistochemistry: Neurochondrin Antibody [NBP1-60892] - Mouse Stratum Lucidum, CA3. 1:50 antibody dilution.



Western Blot: Neurochondrin Antibody [NBP1-60892] - Antibody dilution is 1:500 in antibody dilution buffer. MW is 88.5kDa.



## 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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### **Products Related to NBP1-60892-0.05mg**

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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

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### **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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