



Rabbit Anti-Neurochondrin antibody

SL19217R

Product Name:	Neurochondrin
Chinese Name:	神经软骨蛋白NCDN1抗体
Alias:	AU042419; KIAA0607; M-Sema F-associating protein of 75 kDa; MGC93259; MMS10-AE; Ms10ae; NCDN; NCDN-1; Neurochondrin 1; Norbin; OTTHUMP00000065369; OTTHUMP00000065370; OTTHUMP00000065371; Sfap75.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	79kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Neurochondrin:221-320/729
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a leucine-rich cytoplasmic protein, which is highly similar to a mouse protein that negatively regulates Ca/calmodulin-dependent protein kinase II phosphorylation and may be essential for spatial learning processes. Several alternatively spliced transcript variants of this gene have been described. [provided by

RefSeq, Jul 2008]

Function:

Probably involved in signal transduction, in the nervous system, via increasing cell surface localization of GRM5 and positively regulating its signaling. By similarity. Required for the spatial learning process. Acts as a negative regulator of Ca²⁺-calmodulin-dependent protein kinase 2 (CaMK2) phosphorylation. May play a role in modulating melanin-concentrating hormone-mediated functions via its interaction with MCHR1 that interferes with G protein-coupled signal transduction. May be involved in bone metabolism. May also be involved in neurite outgrowth.

Subcellular Location:

Cytoplasm. Cell projection, dendrite.

Tissue Specificity:

Abundantly expressed in whole adult brain and in all individual brain regions examined, including spinal cord. Weakly expressed in ovary, testis, fetal brain and small intestine.

Similarity:

Interacts with SEMA4C, DIAPH1 (via FH3 domain) and GRM5. By similarity. Interacts with MCHR1.

SWISS:

Q9UBB6

Gene ID:

23154

Database links:

[Entrez Gene: 23154](#)Human

[Entrez Gene: 505994](#)Cow

[Entrez Gene: 26562](#)Mouse

[Entrez Gene: 89791](#)Rat

[Omim: 608458](#)Human

[SwissProt: Q2KJ97](#)Cow

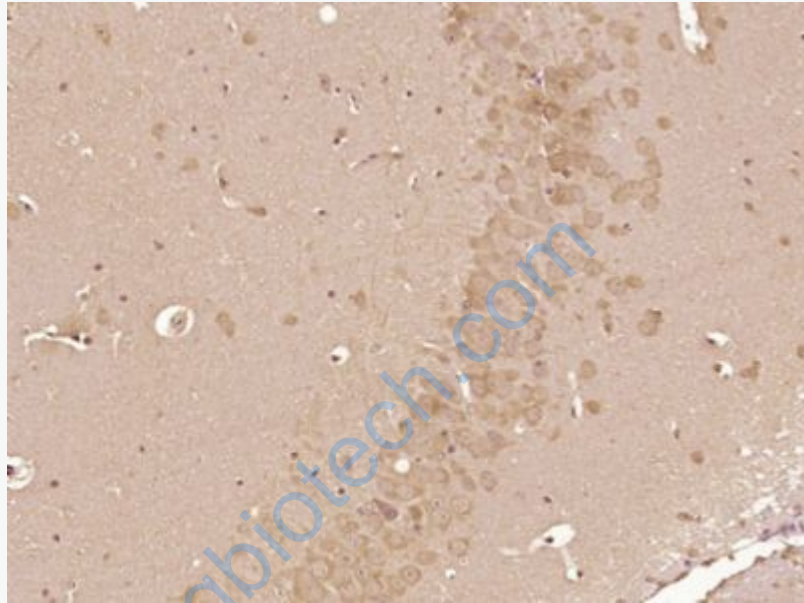
[SwissProt: Q9UBB6](#)Human

[SwissProt: Q91YH7](#)Mouse

[SwissProt: O35095](#)Rat

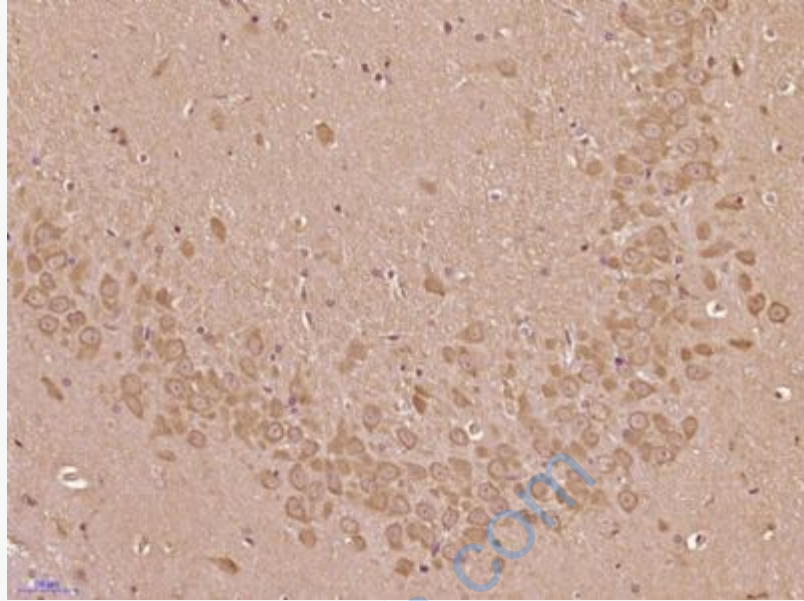
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurochondrin) Polyclonal Antibody, Unconjugated (SL19217R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurochondrin) Polyclonal Antibody, Unconjugated (SL19217R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.