



Rabbit Anti-Neurabin 1 antibody

SL11988R

Product Name:	Neurabin 1
Chinese Name:	神经组织特异性F肌动蛋白Binding protein抗体
Alias:	FLJ20068; KIAA1222; NEB1_HUMAN; Neurabin I; Neurabin-1; Neurabin-I; Neurabin1; Neurabin-1; NeurabinI; Neurabin1; Neural tissue specific F actin binding protein I; Neural tissue-specific F-actin-binding protein I; NRB 1; NRB I; NRB1; NRBI; PPP1R9A; Protein phosphatase 1 regulatory (inhibitor) subunit 9A; Protein phosphatase 1 regulatory subunit 9A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,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:	123kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Neurabin 1/PPP1R9A:115-165/1098
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 is imprinted, and located in a cluster of imprinted genes on chromosome 7q12. This gene is transcribed in both neuronal and multiple embryonic tissues, and it is

maternally expressed mainly in embryonic skeletal muscle tissues and biallelically expressed in other embryonic tissues. The protein encoded by this gene includes a PDZ domain and a sterile alpha motif (SAM). It is a regulatory subunit of protein phosphatase I, and controls actin cytoskeleton reorganization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

Function:

Binds to actin filaments (F-actin) and shows cross-linking activity. Binds along the sides of the F-actin. May be involved in neurite formation. Inhibits protein phosphatase 1-alpha activity.

Subcellular Location:

Cytoplasm.

Similarity:

Contains 1 PDZ (DHR) domain.

Contains 1 SAM (sterile alpha motif) domain.

SWISS:

Q9ULJ8

Gene ID:

55607

Database links:

[Entrez Gene: 55607](#) Human

[Entrez Gene: 243725](#) Mouse

[Entrez Gene: 84685](#) Rat

[Omim: 602468](#) Human

[SwissProt: Q9ULJ8](#) Human

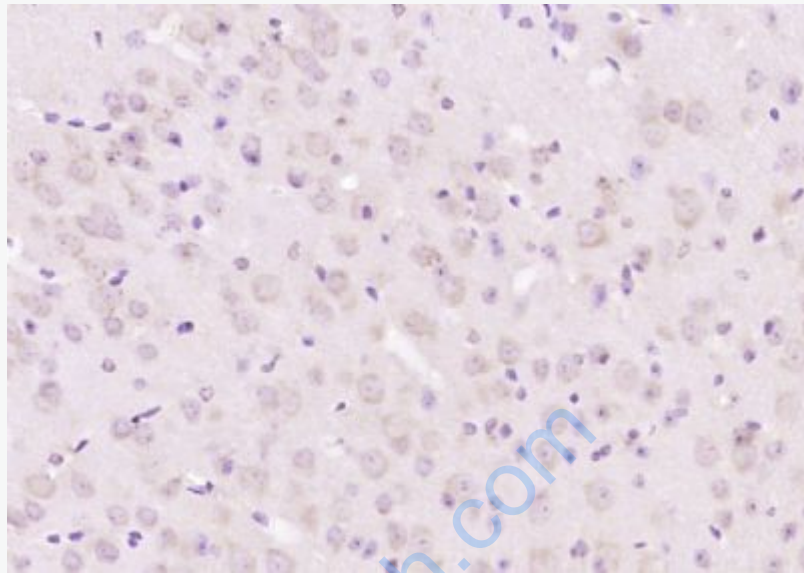
[SwissProt: O35867](#) Rat

[Unigene: 21816](#) Human

[Unigene: 10849](#) Rat

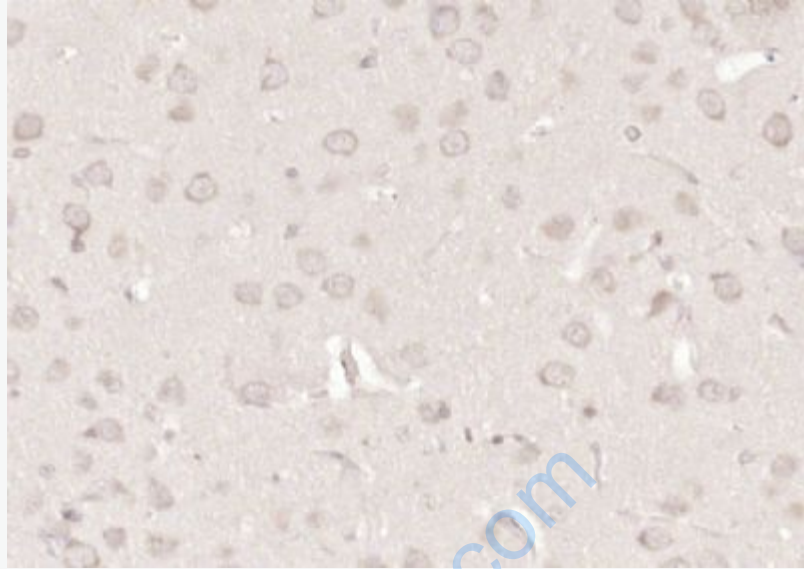
Important Note:

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 (Neurabin 1) Polyclonal Antibody, Unconjugated (SL11988R) at 1:200 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 (Neurabin 1) Polyclonal Antibody, Unconjugated (SL11988R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.