

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.

Research Area

Cell biology Neurobiology Transporter Cytoskeleton

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species

Mouse,Rat(predicted:Human,Dog,Pig,Cow,Rabbit,Sheep)

Applications

IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight

123kDa

Cellular localization

cytoplasmic

Form

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

Buffer Solution

1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.



Attention

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

PubMed

[PubMed](#)

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.

**Product
Detail**

SWISS:

Q9ULJ8

Gene ID:

55607

Database links:

[Entrez Gene: 55607](#) Human

[Entrez Gene: 243725](#) Mouse

[Entrez Gene: 84685](#) Rat

[Omim: 602468](#) Human

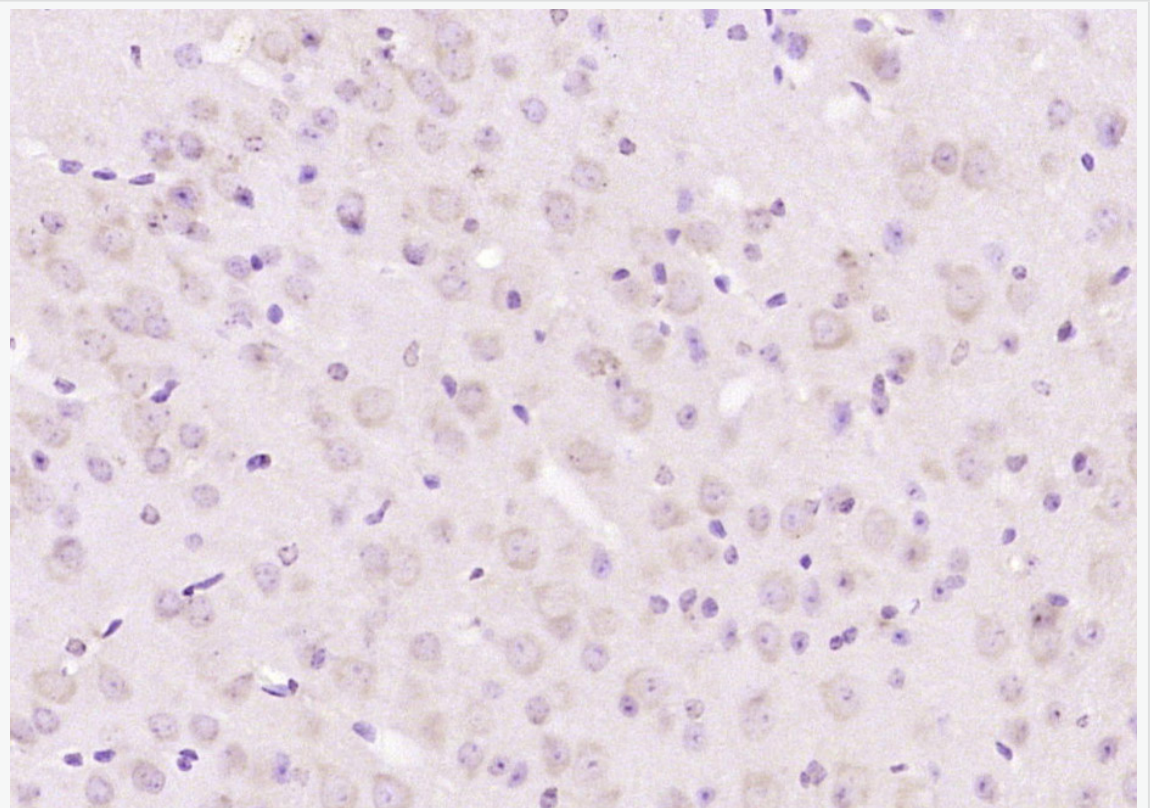
[SwissProt: Q9ULJ8](#) Human

[SwissProt: O35867](#) Rat

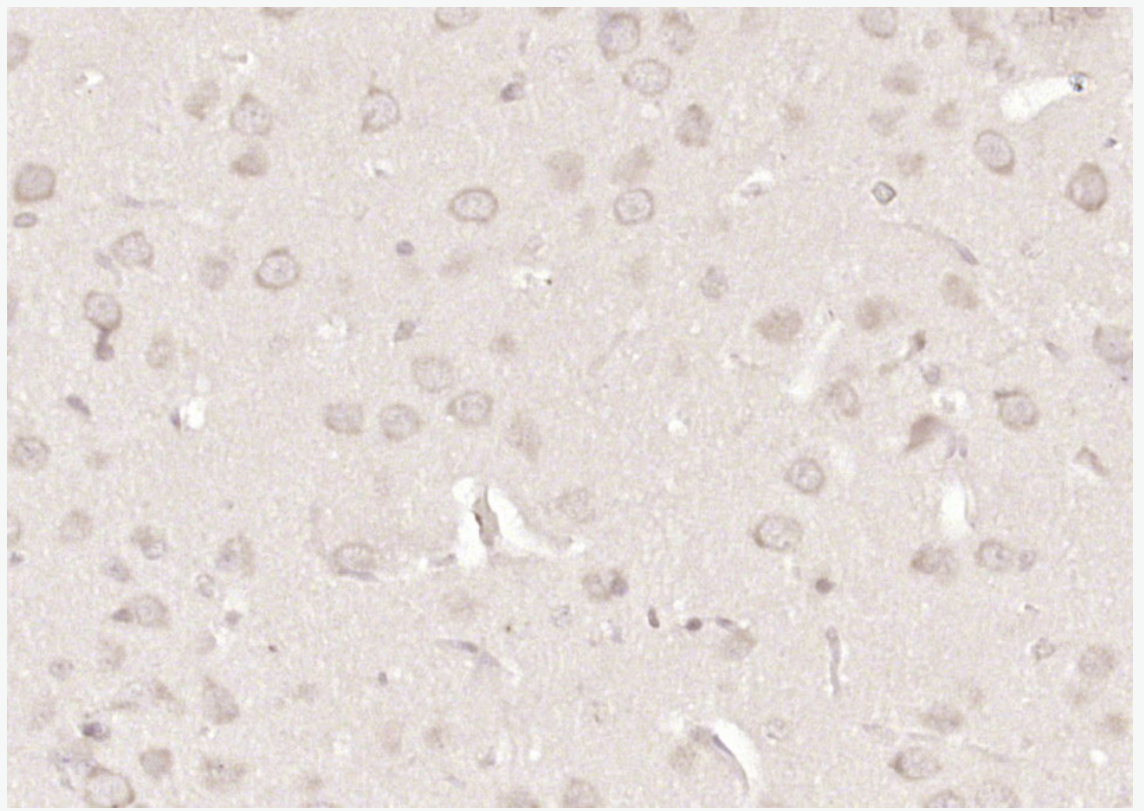
[Unigene: 21816](#) Human

[Unigene: 10849](#) Rat

**Product
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.