



Rabbit Anti-Calneuron 1 antibody

SL12164R

Product Name:	Calneuron 1
Chinese Name:	钙营养蛋白1/钙Binding protein8抗体
Alias:	CaBP8; CABP8_HUMAN; Calcium binding protein 8; Calcium binding protein; Calcium binding protein CABP8; Calcium-binding protein 8; Caln1; Calneuron I; Calneuron-1; Calneuron1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
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:	25kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Calneuron 1/CABP8:51-150/219
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 protein with high similarity to the calcium-binding proteins of the calmodulin family. The encoded protein contains two EF-hand domains and potential calcium-binding sites. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008].

Function:

Negatively regulates Golgi-to-plasma membranetrafficking by interacting with PI4KB and inhibiting its activity(By similarity). May play a role in the physiology of neurons andis potentially important in memory and learning.

Subunit:

Interacts with PI4KB. This binding competes withFREQ/NCS1 binding in a calcium-dependent manner.

Subcellular Location:

Golgi apparatus, trans-Golgi network membrane. Cytoplasm, perinuclear region. Cell membrane.

Tissue Specificity:

Brain specific.

Similarity:

Contains 2 EF-hand domains.

SWISS:

Q9BXU9

Gene ID:

83698

Database links:

[Entrez Gene: 83698](#) Human

[Entrez Gene: 140904](#) Mouse

[Entrez Gene: 363909](#) Rat

[Omim: 607176](#) Human

[SwissProt: Q9BXU9](#) Human

[SwissProt: Q9JJG7](#) Mouse

[SwissProt: Q06BI3](#) Rat

[Unigene: 592750](#) Human

[Unigene: 320206](#) Mouse

[Unigene: 202895](#) Rat

	<p>Important Note:</p>
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