



## Rabbit Anti-CALHM1 antibody

SL11642R

<b>Product Name:</b>	CALHM1
<b>Chinese Name:</b>	钙平衡调节蛋白1抗体
<b>Alias:</b>	CAHM1_HUMAN; Calcium homeostasis modulator 1; Calcium homeostasis modulator protein 1; CALHM1; FAM26C; Family with sequence similarity 26, member C; MGC39514; MGC39617; Protein FAM26C.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	38kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CALHM1/FAM26C:161-260/346
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a calcium channel that plays a role in processing of amyloid-beta precursor protein. A polymorphism at this locus has been reported to be associated with susceptibility to late-onset Alzheimer's disease in some populations, but the pathogenicity of this polymorphism is unclear.[provided by RefSeq, Mar 2010].

**Function:**

May be a pore-forming ion channel. Controls cytosolic Ca(2+) permeability and cytosolic Ca(2+) concentration. Controls amyloid precursor protein (APP) proteolysis and aggregated amyloid-beta (Abeta) peptides levels in a Ca(2+) dependent manner.

**Subunit:**

Homooligomer; homomultimerized to form dimeric and possibly tetrameric structures.

**Subcellular Location:**

Cell membrane. Endoplasmic reticulum membrane. Colocalizes with HSPA5 at the endoplasmic reticulum.

**Tissue Specificity:**

Predominantly expressed in adult brain. Detected also in retinoic acid-differentiated SH-SY5Y cells.

**Similarity:**

Belongs to the FAM26 family.

**SWISS:**

Q8IU99

**Gene ID:**

255022

**Database links:**

[Entrez Gene: 255022](#) Human

[Entrez Gene: 546729](#) Mouse

[Entrez Gene: 499367](#) Rat

[Omim: 612234](#) Human

[SwissProt: Q8IU99](#) Human

[Unigene: 680365](#) Human

**Important Note:**

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