

CALHM1 Rabbit pAb

CatalogNo: YN5650

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat

Applications

- WB,IHC,IF

MW

- 40kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1000

IHC 1:200-500

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthetic Peptide of CALHM1 AA range: 204-254

Specificity

The antibody detects endogenous CALHM1 protein.

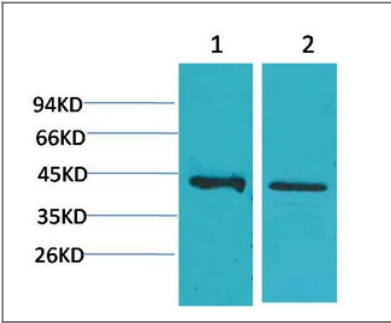
Target Information

Gene name

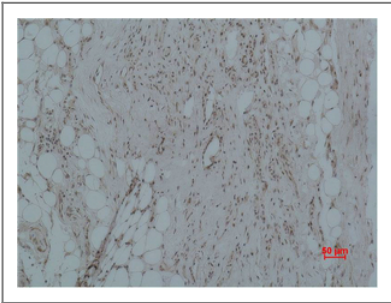
CALHM1

Protein Name	Calcium homeostasis modulator protein 1		
	Organism	Gene ID	UniProt ID
	Human	255022 ;	Q8IU99 ;
Cellular Localization	Cell membrane; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein . Colocalizes with HSPA5 at the endoplasmic reticulum (PubMed:18585350). Localizes to the basolateral membrane of epithelial cells including taste cells (By similarity). .		
Tissue specificity	Predominantly expressed in adult brain. Detected also in retinoic acid-differentiated SH-SY5Y cells. Specifically expressed in circumvallate taste bud cells.		
Function	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.,polymorphism:Leu-86 causes a dysregulation of Ca(2+) homeostasis and amyloid precursor protein (APP) metabolism, and may be a risk factor for the development of Alzheimer's disease.,similarity:Belongs to the FAM26 family.,subcellular location:Colocalizes with HSPA5 at the endoplasmic reticulum.,subunit:Homooligomer; homomultimerized to form dimeric and possibly tetrameric structures.,tissue specificity:Predominantly expressed in adult brain. Detected also in retinoic acid-differentiated SH-SY5Y cells.,		

Validation Data



Western blot analysis of 1) Human Brain Tissue, 2) Rat Brain Tissue using CALHM1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human Hepatocarcinoma using CALHM1 Polyclonal Antibody.

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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CALHM1 Rabbit pAb

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