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anti-CALHM1 antibody (N-Term)

3 Images



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Quantity:	0.1 mg
Target:	CALHM1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CALHM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	17 amino acid peptide near the amino terminus of Human CALHM1
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CALHM1
Alternative Name:	CALHM1 / FAM26C (CALHM1 Products)
Background:	Alzheimer's disease (AD) is a progressive neurodegenerative disorder characterized by a

massive loss of neurons in several brain regions and by the presence of senile plaques
comprised of aggregated amyloid-b (Ab) peptides produced by the endoproteolysis of the
amyloid precursor protein (APP). The calcium homeostasis modulator 1 (CALHM1) is a recently
identified multipass transmembrane glycoprotein that controls cytosolic Ca2+ concentration
and Ab levels. While some studies suggest CALHM1 is significantly associated with risk of AD,
other reports suggest there is no link. CALHM1 has been suggested to modulate the Ca2+-
dependent proteolytic process of APP through controlling the level of cytosolic
Ca2+.Synonyms: Calcium homeostasis modulator protein 1

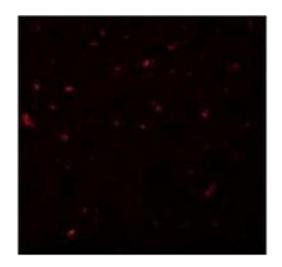
Gene ID:	255022
NCBI Accession:	NP_001001412
UniProt:	Q8IU99

Application Details

Application Notes:	ELISA. Western Blot: CALHM1 antibody can be used for detection of CALHM1 at 1 - 2 μ g/mL.
	Immunohistochemistry.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

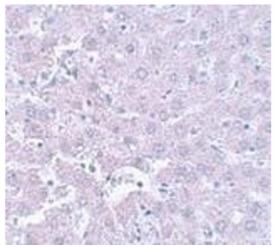
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



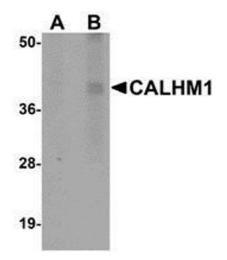
Immunofluorescence

Image 1. Immunofluorescence of CALHM1 in Rat Liver cells with AP30176PU-N CALHM1 antibody at 20 μ g/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of CALHM1 in rat liver tissue with CALHM1 antibody at $5 \mu g/ml$.



Western Blotting

Image 3. Western blot analysis of CALHM1 in rat liver tissue lysate with AP30176PU-N CALHM1 antibody at (A) 1 and (B) 2 μ g/ml.