antibodies -online.com







anti-CACNA1D antibody (AA 1201-1300)



Image



Publication



Overview

100 μL
CACNA1D
AA 1201-1300
Rat, Monkey
Rabbit
Polyclonal
This CACNA1D antibody is un-conjugated
ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CaV1.3
Isotype:	lgG
Cross-Reactivity:	Monkey, Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target: CACNA1D

Target Details

Alternative Name:	CACH3/CaV1.3 (CACNA1D Products)
Background:	Synonyms: CACH3, CACN4, PASNA, SANDD, Cav1.3, CCHL1A2, CACNL1A2, Voltage-dependent
	L-type calcium channel subunit alpha-1D, Calcium channel, L type, alpha-1 polypeptide, isoform
	2, Voltage-gated calcium channel subunit alpha Cav1.3, CACNA1D
	Background: Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into
	excitable cells and are also involved in a variety of calcium-dependent processes, including
	muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell
	division and cell death. The isoform alpha-1D gives rise to L-type calcium currents. Long-lasting
	(L-type) calcium channels belong to the 'high-voltage activated' (HVA) group. They are blocked
	by dihydropyridines (DHP), phenylalkylamines, benzothiazepines, and by omega-agatoxin-IIIA
	(omega-Aga-IIIA). They are however insensitive to omega-conotoxin-GVIA (omega-CTx-GVIA)
	and omega-agatoxin-IVA (omega-Aga-IVA).
Gene ID:	776
UniProt:	Q01668
Pathways:	Sensory Perception of Sound
Application Details	
Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.

Handling

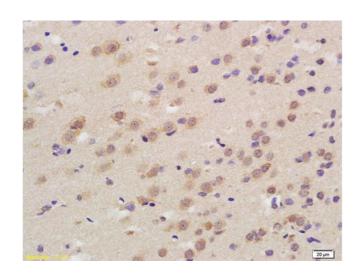
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Lobeck, Donnelly, Dupree, Mahe, McNeal, Mohanty, Tiao: "Rhesus rotavirus VP6 regulates ERK-dependent calcium influx in cholangiocytes." in: **Virology**, Vol. 499, pp. 185-195, (2016) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-CACH3/CaV1.3 Polyclonal Antibody, Unconjugated (ABIN751333) at 1:200, followed by conjugation to the secondary antibody and DAB staining