

Datasheet for ABIN7042983

anti-CACNA1I antibody (Intracellular)[Go to Product page](#)**1** Image

Overview

Quantity:	25 µL
Target:	CACNA1I
Binding Specificity:	AA 1053-1067, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1I antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CNGRMPNIAKDVFVK, corresponding to amino acid residues 1053-1067 of rat CaV3.3
Isotype:	IgG
Characteristics:	Anti-Cav3.3 (CACNA1I) Antibody is directed against an intracellular epitope of the CaV3.3 channel. Anti-CaV3.3 (CACNA1I) Antibody (ABIN7042983, ABIN7043961 and ABIN7043962)) can be used in western blot, immunohistochemical and immunocytochemical applications. It has been designed to recognize CaV3.3 from rat, human and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

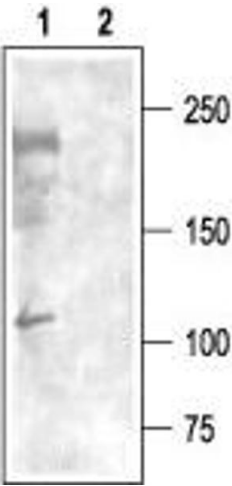
Target:	CACNA1I
Alternative Name:	CaV3.3 (CACNA1I) (CACNA1I Products)
Background:	Alternative names: CaV3.3 (CACNA1I), Voltage-dependent T-type calcium channel subunit alpha1I (T-Type)
Gene ID:	56827
NCBI Accession:	NM_001003406
UniProt:	Q9Z0Y8

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat brain membranes: -
1. Anti-CaV3.3 (CACNA1I) Antibody (ABIN7042983, ABIN7043961 and ABIN7043962), (1:200). 2. Anti-CaV3.3 (CACNA1I) Antibody, preincubated with Cav3.3/CACNA1I Blocking Peptide (#BLP-CC009).