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anti-CACNA1E antibody (Intracellular)

2 Images



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Quantity:	25 μL	
Target:	CACNA1E	
Binding Specificity:	AA 892-907, Intracellular	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CACNA1E antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SASQERSLDEGVSIDG, corresponding to amino acid residues 892-907 of rat CaV2.3	
Isotype:	IgG	
Characteristics:	Anti-CaV2.3 (CACNA1E) Antibody (ABIN7043007, ABIN7043957 and ABIN7043958)) is directed against an epitope of the rat CaV2.3 channel. Anti-CaV2.3 (CACNA1E) Antibody (ABIN7043007, ABIN7043957 and ABIN7043958)) can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize CaV2.3 from human, mouse and rat samples.	
	mouse and rat samples.	

Target Details

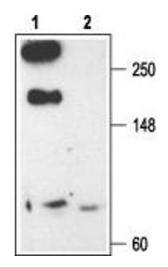
Target:	CACNA1E
Alternative Name:	CaV2.3 (CACNA1E) (CACNA1E Products)
Background:	Alternative names: CaV2.3 (CACNA1E), CACH6, CACNL1A6, Voltage-dependent R-type calcium channel subunit alpha1E, BII, Brain calcium channel II, RBE2
Gene ID:	54234
NCBI Accession:	NM_000721
UniProt:	Q07652
Pathways:	Carbohydrate Homeostasis

Application Details

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

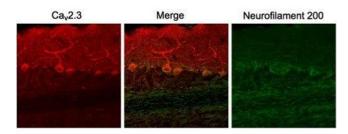
Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.3 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 5 % sucrose, 0.025 % 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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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).



Western Blotting

Image 1. Western blot analysis of rat brain membranes: 1. Anti-CaV2.3 (CACNA1E) Antibody (ABIN7043007,
ABIN7043957 and ABIN7043958), (1:200).2. Anti-CaV2.3
(CACNA1E) Antibody, preincubated with Cav2.3/CACNA1E
Blocking Peptide (#BLP-CC006).



Immunohistochemistry

Image 2. Expression of CaV2.3 in mouse cerebellum - Immunohistochemical staining of mouse cerebellum with Anti-CaV2.3 (CACNA1E) Antibody (ABIN7043007, ABIN7043957 and ABIN7043958). CaV2.3 (red) appears in both soma and dendritic trees of several Purkinje cells. Staining of neurofilament 200 (green) in the same brain section demonstrates the relationship between axons passing through the granule layer and the Purkinje cells.