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anti-CACNA1G antibody (N-Term)

2 Images

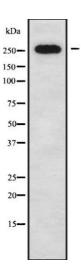


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Overview	
Quantity:	100 μL
Target:	CACNA1G
Binding Specificity:	N-Term
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1G antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA
Product Details	
Immunogen:	A synthesized peptide derived from human CACNA1G, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	CACNA1G Antibody detects endogenous levels of total CACNA1G.
Predicted Reactivity:	Pig,Bovine,Horse,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	CACNA1G

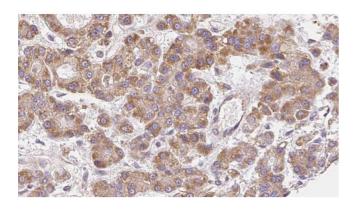
Target Details

Alternative Name:	CACNA1G (CACNA1G Products)	
Background:	Description: 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-1G gives rise to T-type calcium currents. T-type calcium channels belong to the "low-voltage activated (LVA)" group and are strongly blocked by mibefradil. A particularity of this type of channel is an opening at quite negative potentials and a voltage-dependent inactivation. T-type channels serve pacemaking functions in both central neurons and cardiac nodal cells and support calcium signaling in secretory cells and vascular smooth muscle. They may also be involved in the modulation of firing patterns of neurons which is important for information processing as well as in cell growth processes. Gene: CACNA1G	
Molecular Weight:	262 kDa	
Gene ID:	8913	
UniProt:	O43497	
Application Details		
Application Notes:	WB 1:1000-3000, IHC 1:200, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
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:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	



Western Blotting

Image 1. Western blot analysis of CACNA1G using 293 whole cell lysates



Immunohistochemistry

Image 2. ABIN6272490 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.