antibodies

Datasheet for ABIN7441253 anti-CACNA1S antibody (AA 1505-1646)





Overview

Quantity:	100 µL	
Target:	CACNA1S	
Binding Specificity:	AA 1505-1646	
Reactivity:	Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CACNA1S antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)	

Product Details

Purpose:	Polyclonal Antibody to Calcium Channel, Voltage Dependent, L-Type, Alpha 1S Subunit (CACNa1S)
Immunogen:	Recombinant Calcium Channel, Voltage Dependent, L-Type, Alpha 1S Subunit (CACNa1S) corresdonding to Tyr1505~Asn1646 with N-terminal His Tag
lsotype:	lgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CACNa1S. It has been selected for its ability to recognize CACNa1S in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

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Target Details		
Target:	CACNA1S	
Alternative Name:	Calcium Channel, Voltage Dependent, L-Type, Alpha 1S Subunit (CACNA1S Products)	
Background:	CACNL1A3, CCHL1A3, Cav1.1, HOKPP, MHS5, hypoPP, DHPR, Dihydropyridine Receptor, Voltage-gated calcium channel subunit alpha Cav1.1	
Pathways:	Skeletal Muscle Fiber Development	
Application Details		
Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.	
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.	

Expiry Date:

24 months

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Western Blot				
kDa 70				
44				
33				
26				
22	-	←23kDa		
18				
14				
10				

Western Blotting

Image 1. Detection of Recombinant CACNa1S, Mouse using Polyclonal Antibody to Calcium Channel, Voltage Dependent, L-Type, Alpha 1S Subunit (CACNa1S)

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