antibodies.com

Datasheet for ABIN6260388 anti-CABP1 antibody (Internal Region)

Image



Overview

Quantity:	100 µL
Target:	CABP1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CABP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human CABP1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	CABP1 Antibody detects endogenous levels of total CABP1.
Predicted Reactivity:	Pig,Bovine,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:

CABP1

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Target Details	
Alternative Name:	CABP1 (CABP1 Products)
Background:	Description: Modulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors (ITPRs)(PubMed:14570872). Inhibits agonist-induced intracellular calcium signaling (PubMed:15980432). Enhances inactivation and does not support calcium-dependent facilitation of voltage-dependent P/Q-type calcium channels (PubMed:11865310). Causes calcium-dependent facilitation and inhibits inactivation of L-type calcium channels by binding to the same sites as calmodulin in the C-terminal domain of CACNA1C, but has an opposite effect on channel function (PubMed:15140941). Suppresses the calcium-dependent inactivation of CACNA1D (By similarity). Inhibits TRPC5 channels (PubMed:15895247). Prevents NMDA receptor-induced cellular degeneration. Required for the normal transfer of light signals through the retina (By similarity). Gene: CABP1
Molecular Weight:	40 kDa
Gene ID:	9478
UniProt:	Q9NZU7
Pathways: Application Details	Synaptic Membrane, Negative Regulation of Transporter Activity
Application Notes:	WB 1:1000-3000, 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.

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Handling

Expiry Date:

12 months

Images



Western Blotting

Image 1. Western blot analysis of CABP1 using HepG2 whole cell lysates