

ARG63230 anti-CABP1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CABP1
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise both Human isoforms.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CABP1
Species	Human
Immunogen	GNCVKYPLRNLS
Conjugation	Un-conjugated
Alternate Names	CALBRAIN; Calbrain; HCALB_BR; Caldendrin; CaBP1; Calcium-binding protein 1

Application Instructions

Application table	Application	Dilution
	WB	0.5 - 2 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 9478 Human](#)

[Swiss-port # Q9NZU7 Human](#)

Background

Calcium binding proteins are an important component of calcium mediated cellular signal transduction. This gene encodes a protein that belongs to a subfamily of calcium binding proteins which share similarity to calmodulin. The protein encoded by this gene regulates the gating of voltage-gated calcium ion channels. This protein inhibits calcium-dependent inactivation and supports calcium-dependent facilitation of ion channels containing voltage-dependent L-type calcium channel subunit alpha-1C. This protein also regulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors, P/Q-type voltage-gated calcium channels, and transient receptor potential channel TRPC5. This gene is predominantly expressed in retina and brain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]

Research Area

Neuroscience antibody; Signaling Transduction antibody

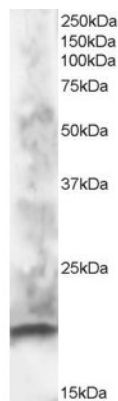
Calculated Mw

40 kDa

PTM

Phosphorylated. The phosphorylation regulates the activity.

Images



ARG63230 anti-CABP1 antibody WB image

Western Blot: human brain lysate (RIPA buffer, 30µg total protein per lane) stained with ARG63230 anti-CABP1 antibody at 1 µg/ml dilution.