

CABP rabbit pAb

Cat No.:ES20810

For research use only

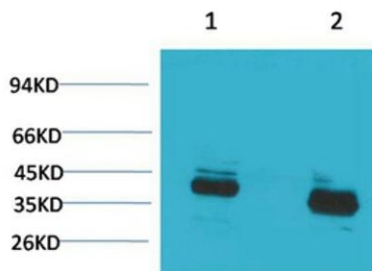
Overview

Product Name	CABP rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Rat;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthetic Peptide of CABP
Specificity	The antibody detects endogenous CABP protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Calcium-binding protein 1 (CaBP1) (Calbrain) (Caldendrin)
Gene Name	CABP1
Cellular localization	Cytoplasm, cytoskeleton . Cytoplasm, perinuclear region . Cell membrane ; Lipid-anchor; Cytoplasmic side. Golgi apparatus . Cell junction, synapse, postsynaptic density . L-CaBP1 is associated most likely with the cytoskeletal structures, whereas S-CaBP1
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	9478
Human Swiss-Prot Number	Q9NZU7
Alternative Names	Calcium-binding protein 1 (CaBP1;Calbrain;Caldendrin)
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],

Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with CABP Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CABP Rabbit pAb diluted at 1:200.

