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CABP5 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54754

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9NP86
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19826
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CABP5/CABP3
Epitope Specificity	21-120/173
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Contains 4 EF-hand domains.
SUBUNIT	Interacts with CACNA1C (via C-terminal CDB motif) in acalcium-dependent manner (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The product of this gene belongs to a subfamily of calcium binding proteins, which share similarity to calmodulin. Calcium binding proteins are an important component of calcium mediated cellular signal transduction. Expression of this gene is retina-specific. The mouse homolog of this protein has been shown to express in the inner nuclear layer of the retina, suggested its role in neuronal functioning. The specific function of this gene is unknown. [provided by RefSeq, Oct 2009].

Additional Information

Gene ID	56344
Other Names	Calcium-binding protein 5, CaBP5, CABP5, CABP3
Target/Specificity	Retina.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CABP5
Synonyms	CABP3
Function	Inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials (By similarity). Involved in the transmission of light signals (By similarity). May positively regulate neurotransmitter vesicle endocytosis and exocytosis in a salt-dependent manner (By similarity). May play a role in the extension and network organization of neurites (By similarity).
Cellular Location	Cytoplasm.
Tissue Location	Retina..