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Rabbit Anti-CABP5 antibody

SL12160R

Product Name:	CABP5
Chinese Name:	钙Binding protein5/3抗体
Alias:	CABP3; CaBP5; CABP5_HUMAN; Calcium binding protein 3; Calcium-binding protein 5.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CABP5/CABP3:21-120/173
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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].

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Function:
Inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials. Involved in the transmission of light signals.

Subunit:
Interacts with CACNA1C (via C-terminal CDB motif) in acalcium-dependent manner (By similarity).

Subcellular Location:
Cytoplasm.

Tissue Specificity:
Retina.

Similarity:
Contains 4 EF-hand domains.

SWISS:
Q9NP86

Gene ID:
56344

Database links:

Entrez Gene: 56344 Human

Omim: 607315 Human

SwissProt: Q9NP86 Human

Unigene: 117694 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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