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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.
Research Area	Cell biology Neurobiology Signal transduction Binding protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	20kDa
Cellular localization	cytoplasmic
Form	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
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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].

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