

# CABP4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51738

## Product Information

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Application	WB
Primary Accession	<a href="#">P57796</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30433

## Additional Information

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Gene ID	57010
Other Names	Calcium-binding protein 4, CaBP4, CABP4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CABP4. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	CABP4
Function	Involved in normal synaptic function through regulation of Ca(2+) influx and neurotransmitter release in photoreceptor synaptic terminals and in auditory transmission. Modulator of CACNA1D and CACNA1F, suppressing the calcium-dependent inactivation and shifting the activation range to more hyperpolarized voltages (By similarity).
Cellular Location	Cytoplasm. Presynapse {ECO:0000250 UniProtKB:Q8VHC5}. Note=Found in rod spherules and cone pedicles of the presynapses from both types of photoreceptors {ECO:0000250 UniProtKB:Q8VHC5}
Tissue Location	Expressed in retina and in the inner hair cells (IHC) of the cochlea

## Background

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## References

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- Haeseleer F.,et al.Nat. Neurosci. 7:1079-1087(2004).  
Taylor T.D.,et al.Nature 440:497-500(2006).  
Haeseleer F.,et al.J. Biol. Chem. 275:1247-1260(2000).  
McCue H.V.,et al.Biochem. Biophys. Res. Commun. 380:825-831(2009).  
Zeitzi C.,et al.Am. J. Hum. Genet. 79:657-667(2006).

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