



# CABP4 Monoclonal Antibody

Catalog No	BYmab-05401
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CABP4
Protein Name	Calcium-binding protein 4 (CaBP4)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CABP4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	30kD
Cell Pathway	Cytoplasm . Cell junction, synapse, presynapse . Found in rod spherules and cone pedicles of the presynapses from both types of photoreceptors. .
Tissue Specificity	Expressed in retina and in the inner hair cells (IHC) of the cochlea.
Function	disease:Defects in CABP4 are the cause of congenital stationary night blindness type 2B (CSNB2B) [MIM:610427]. Congenital stationary night blindness is a non-progressive retinal disorder characterized by impaired night vision.,function:May play a role in normal synaptic function, probably through regulation of Ca(2+) influx and neurotransmitter release in photoreceptor synaptic terminals. Modulator of CACNA1F, shifting the activation range to more hyperpolarized voltages.,similarity:Contains 4 EF-hand domains.,subcellular location:Found in rod spherules and cone pedicles of the presynapses from both types of photoreceptors.,subunit:Interacts with CACNA1F.,
Background	This gene encodes a member of the CABP family of calcium binding protein characterized by four EF-hand motifs. Mutations in this gene are associated with

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congenital stationary night blindness type 2B. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2014],

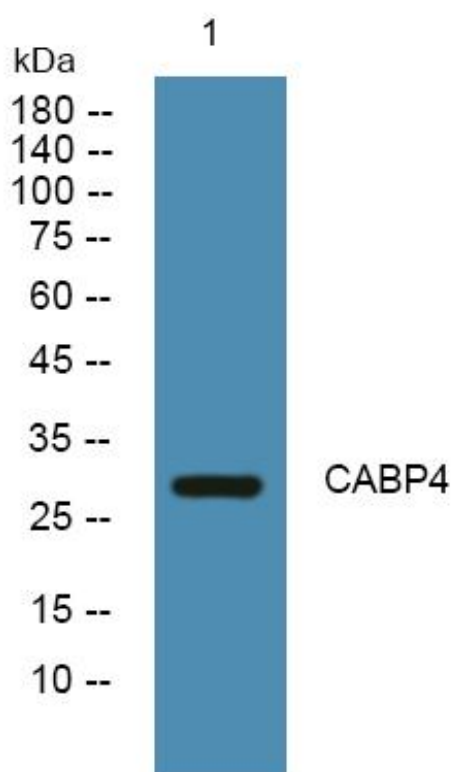
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using CABP4 Monoclonal Antibody