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CABP4 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant CABP4.
Catalog # AT1363a

Product Information

Application	WB, E
Primary Accession	P57796
Other Accession	BC033167
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	5G11
Calculated MW	30433

Additional Information

Gene ID	57010
Other Names	Calcium-binding protein 4, CaBP4, CABP4
Target/Specificity	CABP4 (AAH33167, 1 a.a. ~ 170 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CABP4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

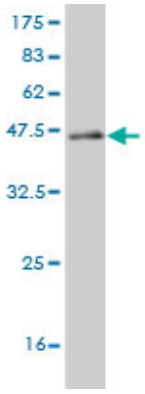
This gene encodes a member of the CABP family of calcium binding protein characterized by four EF-hand motifs. Mutations in this gene are associated with congenital stationary night blindness type 2B.

References

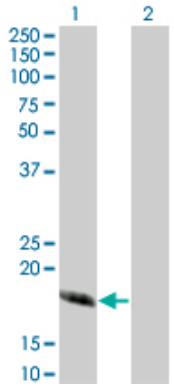
A null mutation in CABP4 causes Leber's congenital amaurosis-like phenotype. Aldahmesh MA, et al. Mol Vis, 2010 Feb 10. PMID 20157620.A novel homozygous nonsense mutation in CABP4 causes congenital cone-rod synaptic disorder. Littink KW, et al. Invest Ophthalmol Vis Sci, 2009 May. PMID 19074807.Mutations in CABP4, the gene encoding the Ca2+-binding protein 4, cause autosomal recessive night blindness. Zeitz C, et al. Am J Hum Genet, 2006 Oct. PMID 16960802.Human chromosome 11 DNA sequence and analysis

including novel gene identification. Taylor TD, et al. Nature, 2006 Mar 23. PMID 16554811.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images

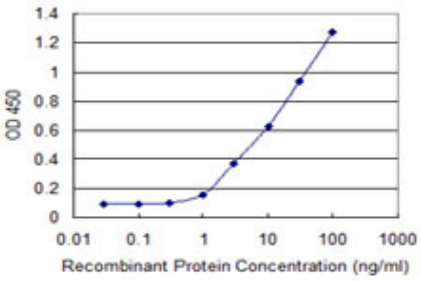


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (44.44 KDa) .



Western Blot analysis of CABP4 expression in transfected 293T cell line by CABP4 monoclonal antibody (M02), clone 5G11.

Lane 1: CABP4 transfected lysate(19.6 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CABP4 is 0.3 ng/ml as a capture antibody.