10320 Camino Santa Fe, Suite G
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CABP4 Antibody (monoclonal) (M02)

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

Specification

CABP4 Antibody (monoclonal) (M02) - Product Information

Application	**WB, E**
Primary Accession	P57796
Other Accession	BC033167
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**30433**

CABP4 Antibody (monoclonal) (M02) - 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

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.

CABP4 Antibody (monoclonal) (M02) - Protocols

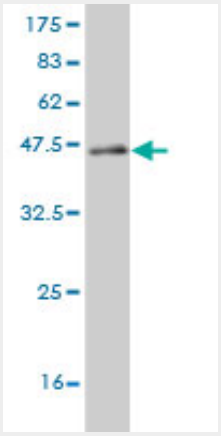
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

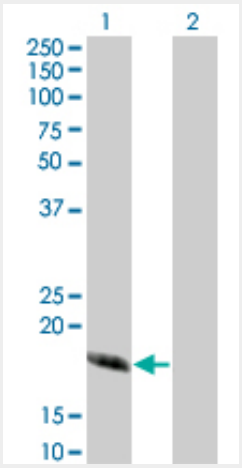
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CABP4 Antibody (monoclonal) (M02) - Images

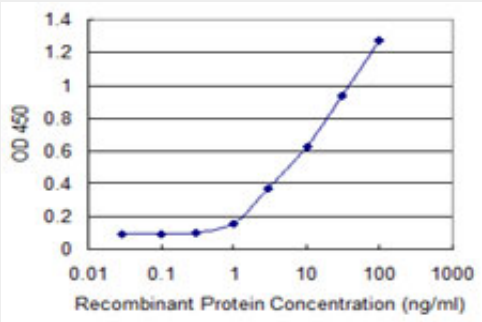


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (44.44 KDa) .



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.



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

CABP4 Antibody (monoclonal) (M02) - 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.

CABP4 Antibody (monoclonal) (M02) - 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.