

MFRP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MFRP.

Catalog # AT2854a

Product Information

Application	WB, IF, E
Primary Accession	Q9BXJ0
Other Accession	NM_031433
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Lambda
Clone Names	1.0E+12
Calculated MW	25298

Additional Information

Gene ID	114902
Other Names	Complement C1q tumor necrosis factor-related protein 5, C1QTNF5, CTRP5
Target/Specificity	MFRP (NP_113621, 480 a.a. ~ 579 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 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	MFRP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

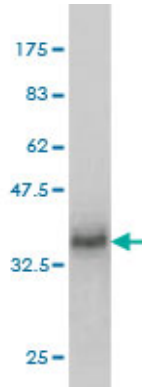
This gene encodes a member of the frizzled-related proteins. The encoded protein may play a role in eye development, as mutations in this gene have been associated with nanophthalmos, posterior microphthalmia, retinitis pigmentosa, foveoschisis, and optic disc drusen. The protein is encoded by a bicistronic mRNA, which also encodes C1q and tumor necrosis factor related protein 5.

References

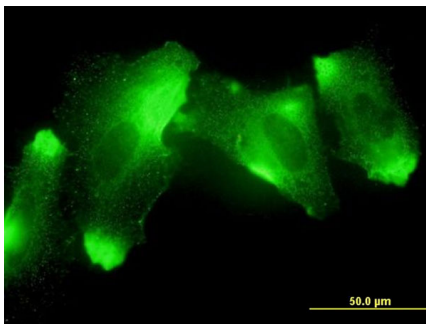
A detailed phenotypic assessment of individuals affected by MFRP-related oculopathy. Mukhopadhyay R, et al. Mol Vis, 2010 Mar 26. PMID 20361016. Compound heterozygosity for a novel and a recurrent MFRP gene mutation in a family with the nanophthalmos-retinitis pigmentosa complex. Zenteno JC, et al. Mol Vis, 2009

Sep 5. PMID 19753314. Evaluation of MFRP as a candidate gene for high hyperopia. Wang P, et al. Mol Vis, 2009. PMID 19169412. The association of membrane frizzled-related protein (MFRP) gene with acute angle-closure glaucoma--a pilot study. Wang JJ, et al. Mol Vis, 2008 Sep 8. PMID 18781223. Molecular analysis of CHX10 and MFRP in Chinese subjects with primary angle closure glaucoma and short axial length eyes. Aung T, et al. Mol Vis, 2008 Jul 17. PMID 18648522.

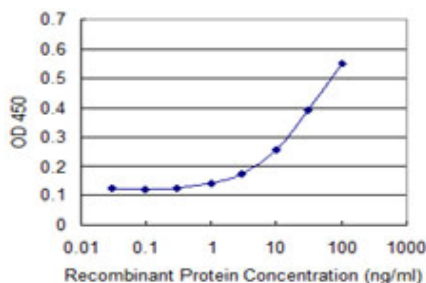
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Immunofluorescence of monoclonal antibody to MFRP on HeLa cell . [antibody concentration 10 ug/ml]



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.