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USH1C Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant USH1C.
Catalog # AT4481a

Product Information

Application	WB, E
Primary Accession	Q9Y6N9
Other Accession	BC016057
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2B9
Calculated MW	62211

Additional Information

Gene ID	10083
Other Names	Harmonin, Antigen NY-CO-38/NY-CO-37, Autoimmune enteropathy-related antigen AIE-75, Protein PDZ-73, Renal carcinoma antigen NY-REN-3, Usher syndrome type-1C protein, USH1C, AIE75
Target/Specificity	USH1C (AAH16057, 424 a.a. ~ 533 a.a) partial 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	USH1C Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

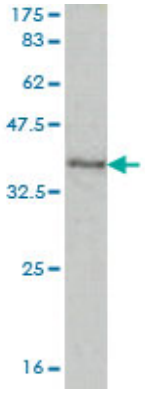
Background

This gene encodes a scaffold protein that functions in the assembly of Usher protein complexes. The protein contains PDZ domains, a coiled-coil region with a bipartite nuclear localization signal and a PEST degradation sequence. Defects in this gene are the cause of Usher syndrome type 1C and non-syndromic sensorineural deafness autosomal recessive type 18. Multiple transcript variants encoding different isoforms have been found for this gene.

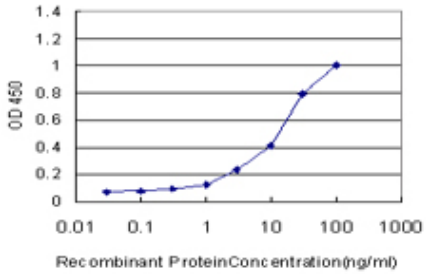
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.The structure of the harmonin/sans complex reveals an unexpected interaction mode of the two Usher syndrome proteins. Yan J, et al. Proc Natl Acad Sci U S A, 2010 Mar 2. PMID 20142502.Microarray-based mutation analysis of 183 Spanish families with Usher syndrome. Jaijo T, et al. Invest Ophthalmol Vis Sci, 2010 Mar. PMID 19683999.Assembling stable hair cell tip link complex via multidentate interactions between harmonin and cadherin 23. Pan L, et al. Proc Natl Acad Sci U S A, 2009 Apr 7. PMID 19297620.UMD-USHbases: a comprehensive set of databases to record and analyse pathogenic mutations and unclassified variants in seven Usher syndrome causing genes. Baux D, et al. Hum Mutat, 2008 Aug. PMID 18484607.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged USH1C is approximately 0.3ng/ml as a capture antibody.