

**USH1C Antibody (monoclonal) (M04)****Mouse monoclonal antibody raised against a partial recombinant USH1C.****Catalog # AT4481a****Specification**

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**USH1C Antibody (monoclonal) (M04) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9Y6N9</a>
Other Accession	<a href="#">BC016057</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	62211

**USH1C Antibody (monoclonal) (M04) - 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

**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.

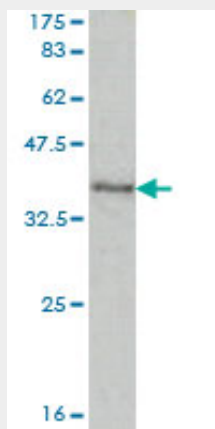
**USH1C Antibody (monoclonal) (M04) - Protocols**

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

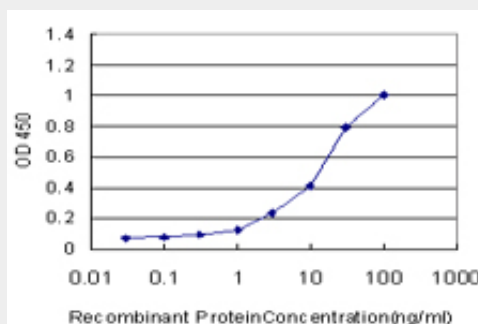
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### USH1C Antibody (monoclonal) (M04) - 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.

### USH1C Antibody (monoclonal) (M04) - 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.

### USH1C Antibody (monoclonal) (M04) - 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.