

ATOH7 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a full length recombinant ATOH7.****Catalog # AT1227a****Specification**

ATOH7 Antibody (monoclonal) (M02) - Product Information

Application	WB
Primary Accession	Q8N100
Other Accession	NM_145178
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	16871

ATOH7 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 220202**Other Names**

Protein atonal homolog 7, Class A basic helix-loop-helix protein 13, bHLHa13, Helix-loop-helix protein hATH-5, hATH5, ATOH7, ATH5, BHLHA13

Target/Specificity

ATOH7 (NP_660161, 53 a.a. ~ 99 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

ATOH7 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

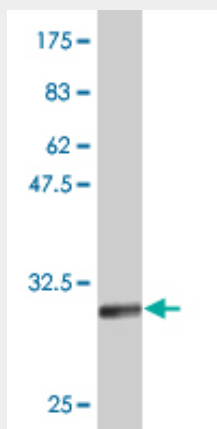
ATOH7 Antibody (monoclonal) (M02) - Protocols

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

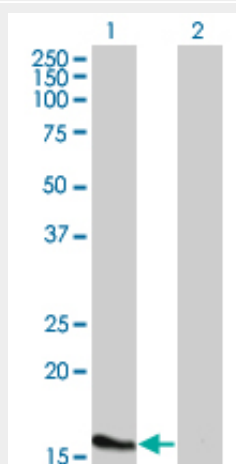
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

ATOH7 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.06 KDa) .



Western Blot analysis of ATOH7 expression in transfected 293T cell line by ATOH7 monoclonal antibody (M02), clone 1E5.

Lane 1: ATOH7 transfected lysate (16.9 KDa).

Lane 2: Non-transfected lysate.

ATOH7 Antibody (monoclonal) (M02) - Background

ATOH7 is a member of the family of basic helix-loop-helix (bHLH) proteins with similarity to *Drosophila* 'atonal,' a proneural bHLH gene that controls photoreceptor development (Brown et al., 2002 [PubMed 11889557]).

ATOH7 Antibody (monoclonal) (M02) - References

A genome-wide association study of optic disc parameters. Ramdas WD, et al. PLoS Genet, 2010

Jun 10. PMID 20548946. Genome-wide association identifies ATOH7 as a major gene determining human optic disc size. Macgregor S, et al. Hum Mol Genet, 2010 Jul 1. PMID 20395239. Exhaustive identification of human class II basic helix-loop-helix proteins by virtual library screening. McLellan AS, et al. Mech Dev, 2002 Dec. PMID 14516699. Exhaustive identification of human class II basic helix-loop-helix proteins by virtual library screening. McLellan AS, et al. Gene Expr Patterns, 2002 Dec. PMID 12617822. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.