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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

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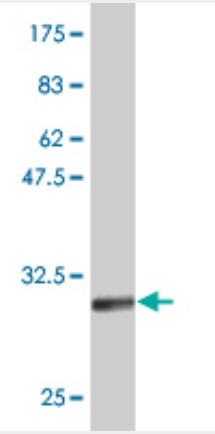
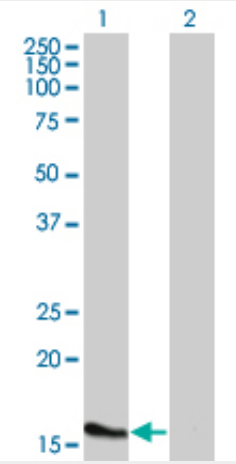
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.