

Datasheet for ABIN499361
anti-ATOH8 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	ATOH8
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATOH8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	ATOH8 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human ATOH8.
Isotype:	IgG
Specificity:	This antibody reacts to ATOH8.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	ATOH8
Alternative Name:	ATOH8 (ATOH8 Products)

Target Details

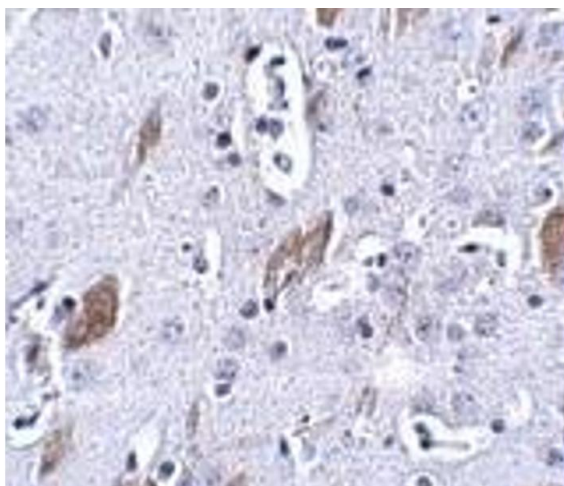
Background:	Basic helix-loop-helix (bHLH) transcription factors play important roles in differentiation processes during embryonic development of vertebrates. ATOH8 (MATH6) is a tissue-restricted member of the atonal superfamily of bHLH transcription factors that exhibits 43-57 % identity in the bHLH domain with other mammalian atonal paralogs including the NeuroD and Neurogenin factors. In the mouse, ATOH8 has been implicated in the specification and differentiation of neuronal cell lineages in the brain and may also participate in kidney development. Recent studies show that ATOH8 is a novel component of the pancreatic transcriptional network during embryonic development and suggest a potential role as a modulator of the differentiation program initiated by the pro-endocrine factor Neurog3. It is indispensable for early embryonic development, suggesting a more widespread function for this factor in tissue-specific differentiation processes that are dependent on class II bHLH genes.Synonyms: Helix-loop-helix protein hATH-6, Protein atonal homolog 8, hATH-6, hATH6
Gene ID:	84913
NCBI Accession:	NP_116216
UniProt:	Q96SQ7
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	ELISA. Western Blot: ATOH8 antibody can be used for detection of ATOH8 at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

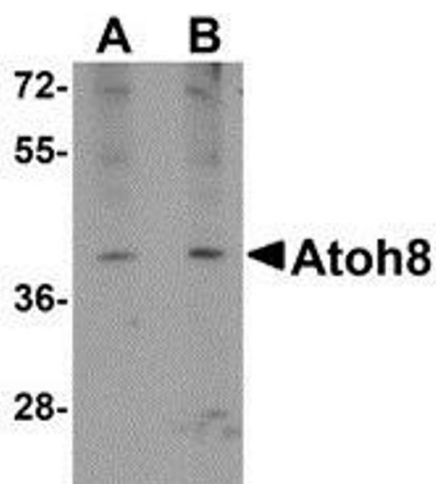
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of ATOH8 in mouse brain tissue with this product atOH8 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of ATOH8 in A-20 cell lysate with this product atOH8 antibody at (A) 1 and (B) 2 µg/ml.