Math1 (ATH1/ATOH1) Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10496

Specification

Math1 (ATH1/ATOH1) Antibody - Product Information

Application	**WB**
Primary Accession	[Q92858](Q92858)
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38160**

Math1 (ATH1/ATOH1) Antibody - Additional Information

Gene ID 474

Application & Usage	**Western blotting (1:200-1000)and Immunohistochemistry (1:100-500). However, the optimal conditions should be determined individually. Other applications have not been determined. The antibody detects Math1 in samples from human, mouse, and rat origins. Other species have not been tested.**

Other Names
ATOH1 , MATH-1 , ATH1 , Math1 , HATH1

Target/Specificity
Math1

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 μl affinity purified rabbit anti-Math1 (also called ATH1) polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Math1 (ATH1/ATOH1) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Math1 (ATH1/ATOH1) Antibody - Protein Information

Name ATOH1 (HGNC:797)

Synonyms ATH1, BHLHA14

Function
Transcriptional regulator. Activates E box-dependent transcription in collaboration with TCF3/E47, but the activity is completely antagonized by the negative regulator of neurogenesis HES1. Plays a role in the differentiation of subsets of neural cells by activating E box-dependent transcription (By similarity).
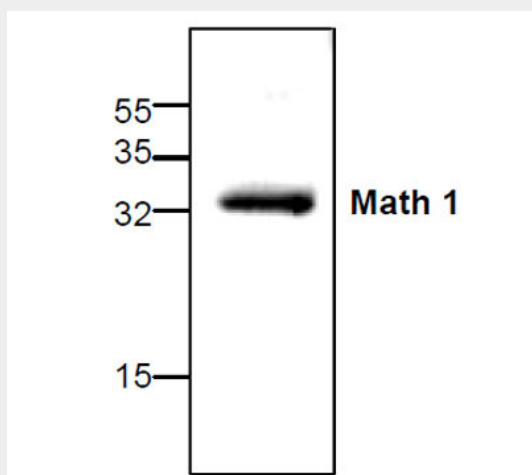
Cellular Location
Nucleus.

Math1 (ATH1/ATOH1) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Math1 (ATH1/ATOH1) Antibody - Images

Western blot analysis of Math 1 using Jurkat cell lysate.

Math1 (ATH1/ATOH1) Antibody - Background

Math1 belongs to the basic helix-loop-helix (BHLH) family of transcription factors. It activates E-box dependent transcription along with E47. It is neural-specific and is switched on during differentiation into neuroectoderm.