

## Rabbit anti-Human MATH-1 Polyclonal Antibody | anti-MATH-1 antibody

Rabbit anti-MATH-1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                     |
|-----------|--------|------------|----------------------------------|
| AAA220138 | Rabbit | Human      | Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

MATH-1; Polyclonal Antibody; Rabbit anti-MATH-1 Antibody; ATH1; BHLHA14; Protein atonal homolog 1; Class A basic helix-loop-helix protein 14; bHLHa14; Helix-loop-helix protein hATH-1; hATH1; anti-MATH-1 antibody

### PRODUCT SPECIFICATIONS

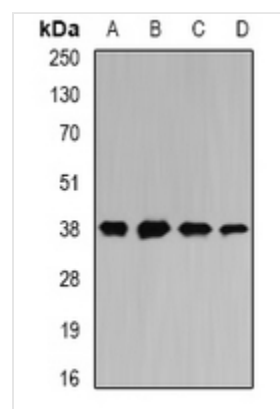
|                                                  |                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                    |
| Reactivity                                       | Human                                                                                                     |
| Clonality                                        | Polyclonal                                                                                                |
| Purity/Purification                              | The antibody was purified by immunogen affinity chromatography.                                           |
| Form/Format                                      | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Concentration                                    | 1mg/mL (varies by lot)                                                                                    |
| Applicable Applications for anti-MATH-1 antibody | IC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                      |
| Immunogen                                        | Recombinant full length protein of human MATH-1                                                           |
| Preparation and Storage                          | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                 |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of MATH-1 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of MATH-1 expression in SW620 (A), HepG2 (B), mouse liver (C), mouse heart (D) whole cell lysates.

ADDITIONAL INFORMATION

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Product Categories/Family for anti-MATH-1 antibody | Primary antibodies |
|----------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4885075                                                                                              |
| NCBI GeneID                      | 474                                                                                                  |
| NCBI Accession #                 | NP_005163.1                                                                                          |
| NCBI GenBank Nucleotide #        | NM_005172.1                                                                                          |
| UniProt Accession #              | Q92858; Q14CT9                                                                                       |
| Molecular Weight                 | 38,160 Da                                                                                            |
| NCBI Official Full Name          | protein atonal homolog 1                                                                             |
| NCBI Official Synonym Full Names | atonal homolog 1 (Drosophila)                                                                        |
| NCBI Official Symbol             | ATOH1                                                                                                |
| NCBI Official Synonym Symbols    | ATH1; HATH1; MATH-1; bHLHa14                                                                         |
| NCBI Protein Information         | protein atonal homolog 1; class A basic helix-loop-helix protein 14; helix-loop-helix protein hATH-1 |
| UniProt Protein Name             | Protein atonal homolog 1                                                                             |
| UniProt Gene Name                | <b>ATOH1</b>                                                                                         |
| UniProt Synonym Gene Names       | ATH1; BHLHA14; bHLHa14; hATH1                                                                        |
| UniProt Entry Name               | ATOH1_HUMAN                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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