

## Rabbit HOXA1 Polyclonal Antibody | anti-HOXA1 antibody

Anti-HOXA1 Antibody

| CATALOG # | HOST   | REACTIVITY                   | APPLICATIONS                                                                |
|-----------|--------|------------------------------|-----------------------------------------------------------------------------|
| AAA105245 | Rabbit | Human, Mouse, Rat, Zebrafish | Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot |

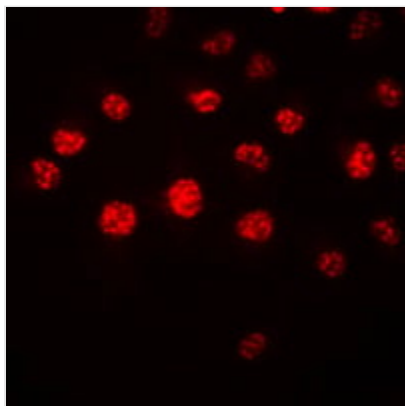
### PRODUCT SYNONYMS

HOXA1; Polyclonal Antibody; Anti-HOXA1 Antibody; HOX1F; Homeobox protein Hox-A1; Homeobox protein Hox-1F; anti-HOXA1 antibody

### PRODUCT SPECIFICATIONS

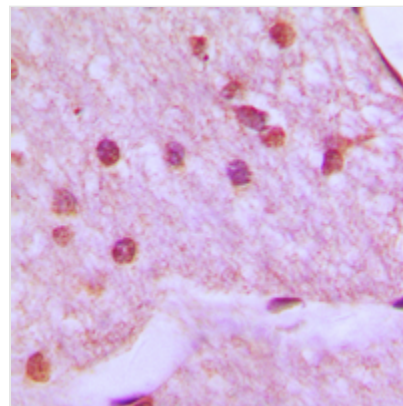
|                                                 |                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                               |
| Reactivity                                      | Human, Mouse, Rat, Zebrafish                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                           |
| Specificity                                     | Recognizes endogenous levels of HOXA1 protein.                                                                                       |
| 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.                            |
| Sequence Length                                 | 335                                                                                                                                  |
| Applicable Applications for anti-HOXA1 antibody | IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                     |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HOXA1. The exact sequence is proprietary. |
| Preparation and Storage                         | Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                     |

### IMAGES



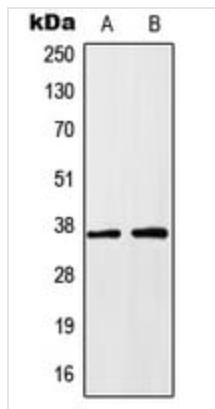
#### IF (Immunofluorescence)

Immunofluorescent analysis of HOXA1 staining in HeLa 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.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of HOXA1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



**WB (Western Blot)**  
 Western blot analysis of HOXA1 expression in HEK293T (A), HeLa (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| Related Product Information for anti-HOXA1 antibody | Rabbit polyclonal antibody to HOXA1 |
|-----------------------------------------------------|-------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 5031761                                                                                                                                         |
| NCBI GeneID                      | 3198                                                                                                                                            |
| NCBI Accession #                 | NP_005513.1                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_005522.4                                                                                                                                     |
| UniProt Accession #              | P49639; O43363; A4D184; B2R8U7                                                                                                                  |
| NCBI Official Full Name          | homeobox protein Hox-A1 isoform a                                                                                                               |
| NCBI Official Synonym Full Names | homeobox A1                                                                                                                                     |
| NCBI Official Symbol             | HOXA1                                                                                                                                           |
| NCBI Official Synonym Symbols    | BSAS; HOX1; HOX1F                                                                                                                               |
| NCBI Protein Information         | homeobox protein Hox-A1; homeobox 1F; homeo box A1; lab-like protein; Hox 1.6-like protein; homeobox protein Hox-1F; HOX A1 homeodomain protein |
| UniProt Protein Name             | Homeobox protein Hox-A1                                                                                                                         |
| UniProt Gene Name                | HOXA1                                                                                                                                           |
| UniProt Synonym Gene Names       | HOX1F                                                                                                                                           |
| UniProt Entry Name               | HXA1_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.