

## Rabbit SIX6 Polyclonal Antibody | anti-SIX6 antibody

Anti-SIX6 Antibody

| CATALOG # | HOST   | REACTIVITY                 | APPLICATIONS                                          |
|-----------|--------|----------------------------|-------------------------------------------------------|
| AAA104305 | Rabbit | Human, Mouse, Rat, Chicken | Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

SIX6; Polyclonal Antibody; Anti-SIX6 Antibody; OPTX2; SIX9; Homeobox protein SIX6; Homeodomain protein OPTX2; Optic homeobox 2; Sine oculis homeobox homolog 6; anti-SIX6 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat, Chicken                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | Recognizes endogenous levels of SIX6 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                                | 246                                                                                                                                 |
| Applicable Applications for anti-SIX6 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                               |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SIX6. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of SIX6 staining in NIH3T3 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 SIX6 expression in Jurkat (A), NIH3T3 (B) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-SIX6 antibody | Rabbit polyclonal antibody to SIX6 |
|----------------------------------------------------|------------------------------------|

### NCBI AND UNIPROT INFORMATION

|           |           |
|-----------|-----------|
| NCBI GI # | 186910311 |
|-----------|-----------|

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | <a href="#">4990</a>                                                                               |
| NCBI Accession #                 | <a href="#">NP_031400.2</a>                                                                        |
| NCBI GenBank Nucleotide #        | <a href="#">NM_007374.2</a>                                                                        |
| UniProt Accession #              | <a href="#">O95475</a> ; <a href="#">Q6NT42</a> ; <a href="#">Q9P1X8</a>                           |
| Molecular Weight                 | 27,687 Da                                                                                          |
| NCBI Official Full Name          | homeobox protein SIX6                                                                              |
| NCBI Official Synonym Full Names | SIX homeobox 6                                                                                     |
| NCBI Official Symbol             | SIX6                                                                                               |
| NCBI Official Synonym Symbols    | Six9; OPTX2; MCOPCT2                                                                               |
| NCBI Protein Information         | homeobox protein SIX6; optic homeobox 2; homeodomain protein OPTX2; sine oculis homeobox homolog 6 |
| UniProt Protein Name             | Homeobox protein SIX6                                                                              |
| UniProt Gene Name                | <b>SIX6</b>                                                                                        |
| UniProt Synonym Gene Names       | OPTX2; SIX9                                                                                        |
| UniProt Entry Name               | SIX6_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/six6-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/104305>