

## Rabbit anti-Human, Mouse SHISA4 Polyclonal Antibody | anti-SHISA4 antibody

SHISA4 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA40497  | Rabbit | Human, Mouse | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

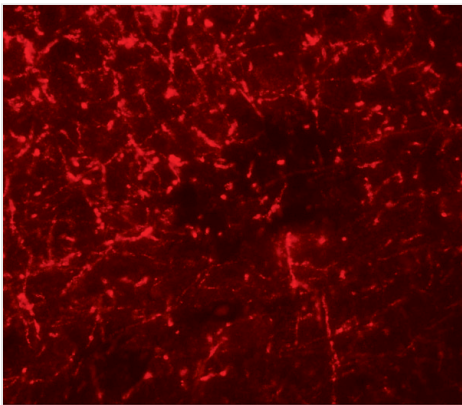
### PRODUCT SYNONYMS

SHISA4; Polyclonal Antibody; SHISA4 Antibody; TMEM58; C1orf40; UNQ583/PRO1153; Protein shisa-4; Transmembrane protein 58; shisa homolog 4 (Xenopus laevis); anti-SHISA4 antibody

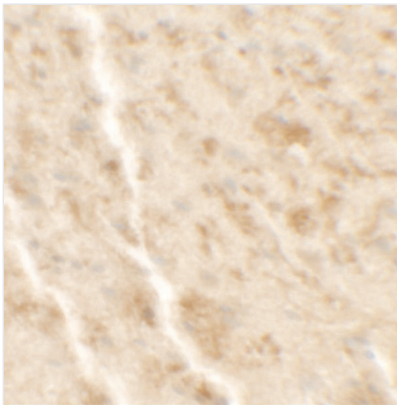
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                    |
| Reactivity                                       | Human, Mouse                                                                                              |
| Clonality                                        | Polyclonal                                                                                                |
| Isotype                                          | IgG                                                                                                       |
| Specificity                                      | SHISA4 antibody is predicted to not cross-react with other SHISA protein family members.                  |
| Purity/Purification                              | SHISA4 Antibody is affinity chromatography purified via peptide column.                                   |
| Form/Format                                      | Liquid                                                                                                    |
| Concentration                                    | 1 mg/mL (varies by lot)                                                                                   |
| Sequence Length                                  | 197                                                                                                       |
| Applicable Applications for anti-SHISA4 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                             |
| Conjugate                                        | Unconjugated                                                                                              |
| Immunogen                                        | SHISA4 antibody was raised against a 15 amino acid peptide near the center of human SHISA4.               |
| Buffer                                           | SHISA4 Antibody is supplied in PBS containing 0.02% sodium azide.                                         |
| Preparation and Storage                          | SHISA4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. |

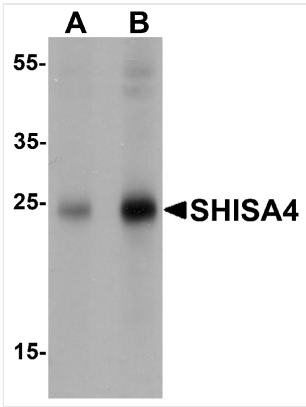
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of SHISA4 in mouse brain tissue with SHISA4 antibody at 20  $\mu$ g/ml.



**IHC (Immunohistochemistry)**  
Immunohistochemistry of SHISA4 in mouse brain tissue with SHISA4 antibody at 2.5  $\mu$ g/ml.



**WB (Western Blot)**  
Western blot analysis of SHISA4 in human brain tissue lysate with SHISA4 antibody at (A) 1 and (B) 2  $\mu$ g/mL.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-SHISA4 antibody</b> | SHISA4 Antibody: SHISA4 plays an essential role in the maturation of presomitic mesoderm cells by individual attenuation of both FGF and WNT signaling. The Shisa family of single-transmembrane proteins is characterized by an N-terminal cysteine-rich domain and a proline-rich C-terminal region. Its founding member, <i>Xenopus Shisa</i> , promotes head development by antagonizing Wnt and FGF signaling. Shisa physically interacted with immature forms of the Wnt receptor Frizzled and the FGF receptor within the ER and inhibited their posttranslational maturation and trafficking to the cell surface. Loss of Shisa function sensitized the neuroectoderm to Wnt signaling and suppressed head formation during gastrulation. |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                           |                                                |
|---------------------------|------------------------------------------------|
| NCBI GI #                 | 269973884                                      |
| NCBI GeneID               | 149345                                         |
| NCBI Accession #          | NP_937792                                      |
| NCBI GenBank Nucleotide # | NM_198149.2                                    |
| UniProt Accession #       | Q96DD7; Q5VUU1; Q6P711; Q6UWY7; B4DFI0; B7ZAJ7 |
| Molecular Weight          | Predicted: 22 kDa<br>Observed: 24 kDa          |

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI Official Full Name          | protein shisa-4                                            |
| NCBI Official Synonym Full Names | shisa family member 4                                      |
| NCBI Official Symbol             | SHISA4                                                     |
| NCBI Official Synonym Symbols    | TMEM58; C1orf40                                            |
| NCBI Protein Information         | protein shisa-4; shisa homolog 4; transmembrane protein 58 |
| UniProt Protein Name             | Protein shisa-4                                            |
| UniProt Gene Name                | <b>SHISA4</b>                                              |
| UniProt Synonym Gene Names       | C1orf40; TMEM58                                            |
| UniProt Entry Name               | SHSA4_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://www.aaabiotech.com/polyclonal/shisa4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40497>