

## Product datasheet for **TA320118**

### SHISA3 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IF, IHC, WB   |
| Recommended Dilution:   | WB: 1 ug/mL   |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | SHISA3 antibody was raised against a 15 amino acid peptide near the center of human SHISA3 .  |
| Formulation:            | SHISA3 Antibody is supplied in PBS containing 0.02% sodium azide.   |
| Concentration:          | 1ug/ul  |
| Purification:           | SHISA3 Antibody is affinity chromatography purified via peptide column.   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | Predicted: 26 kDa; Observed: 28 kDa   |
| Gene Name:              | shisa family member 3   |
| Database Link:          | <a href="#">NP_001073974</a><br><a href="#">Entrez Gene 330096</a> <a href="#">MouseEntrez Gene 498356</a> <a href="#">RatEntrez Gene 152573</a> <a href="#">Human AOPJX4</a> |



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**Background:**

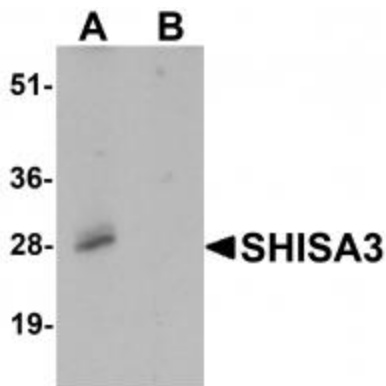
SHISA3 Antibody: SHISA3 plays an essential role in the maturation of presomitic mesoderm cells by individual attenuation of both FGF and WNT signaling. The Shisa family of single-transmembrane proteins is characterized by an N-terminal cysteine-rich domain and a proline-rich C-terminal region. Its founding member, *Xenopus Shisa*, 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.

**Synonyms:**

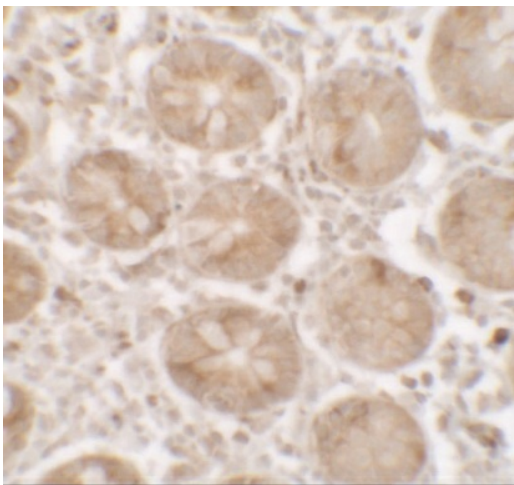
hShisa3

**Protein Families:**

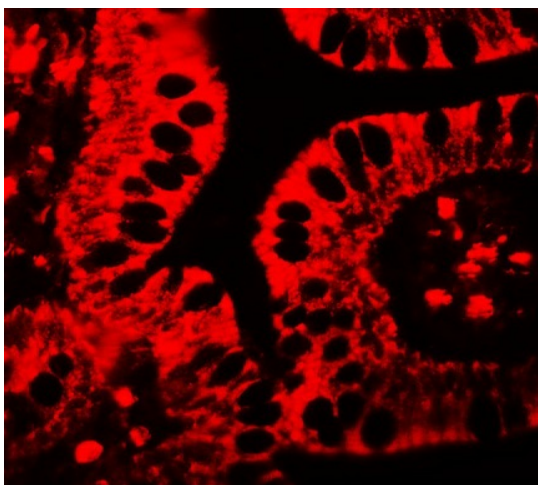
Transmembrane

**Product images:**

Western blot analysis of SHISA3 in human small intestine Tissue lysate with SHISA3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of SHISA3 in human small intestine tissue with SHISA3 antibody at 2.5 ug/mL.



Immunofluorescence of SHISA3 in human small intestine tissue with SHISA3 antibody at 20 ug/mL.