

Product datasheet for **TA320115**

SHISA4 Rabbit Polyclonal Antibody

Product data:

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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB: 1 ug/mL |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | SHISA4 antibody was raised against a 15 amino acid peptide near the center of human SHISA4 . |
| Formulation: | SHISA4 Antibody is supplied in PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | SHISA4 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: 22 kDa; Observed: 24 kDa |
| Gene Name: | shisa family member 4 |
| Database Link: | NP_937792 Entrez Gene 77552 Mouse Entrez Gene 149345 Human Q96DD7 |



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Background:

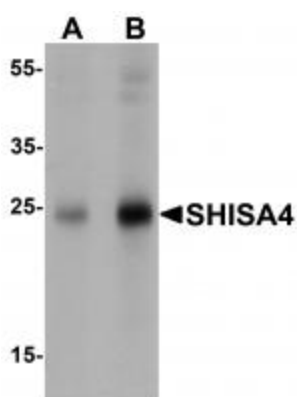
SHISA4 Antibody: SHISA4 plays an essential role in the maturation of presomitic mesoderm cells by individual attenuation of both FGF and WNT signaling. The Shisa family of single-transmembrane proteins is characterized by an N-terminal cysteine-rich domain and a proline-rich C-terminal region. Its founding member, *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:

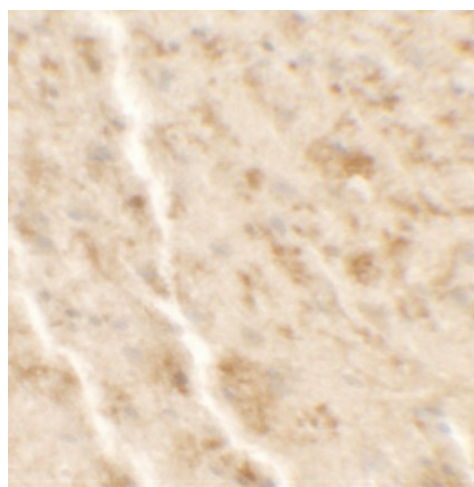
C1orf40; TMEM58

Protein Families:

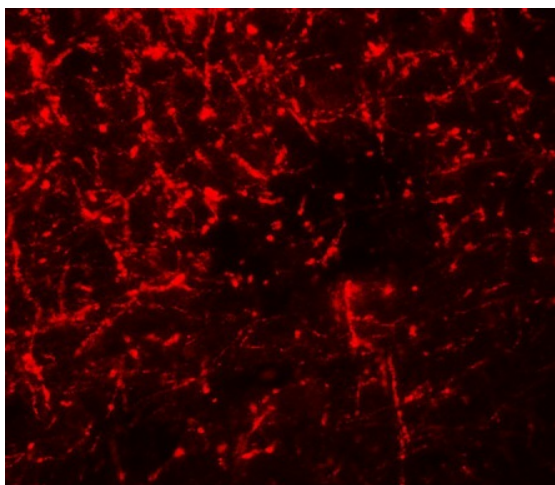
Transmembrane

Product images:

Western blot analysis of SHISA4 in human brain tissue lysate with SHISA4 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of SHISA4 in mouse brain tissue with SHISA4 antibody at 2.5 ug/mL.



Immunofluorescence of SHISA4 in mouse brain tissue with SHISA4 antibody at 20 ug/mL.