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antibody and ELISA experts

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# Anti-Protein shisa-3 homolog SHISA3 Antibody

**Catalog Number:** A17840

## About SHISA3

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.

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## Overview

| | |
|---|---|
| Product Name | Anti-Protein shisa-3 homolog SHISA3 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Protein shisa-3 homolog SHISA3 Antibody (Catalog # A17840). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | SHISA3 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | SHISA3 antibody can be stored at 4°C, stable for up to one year. |
| Host | Rabbit |
| Uniprot ID | A0PJX4 |

## Technical Details

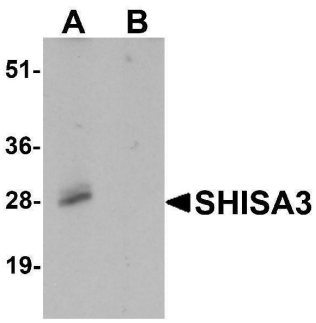
| | |
|---|---|
| Immunogen | SHISA3 antibody was raised against a 15 amino acid peptide near the center of human SHISA3 . The immunogen is located within amino acids 120 - 170 of SHISA3. |
| Predicted Reactive Species | Mouse |
| Cross Reactivity | SHISA3 antibody is predicted to not cross-react with other SHISA protein family members. |

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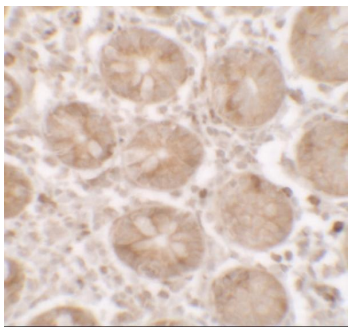
| | |
|---|---|
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | SHISA3 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | SHISA3 Antibody can be used for detection of SHISA3 by Western blot at 1 ug/mL.<br>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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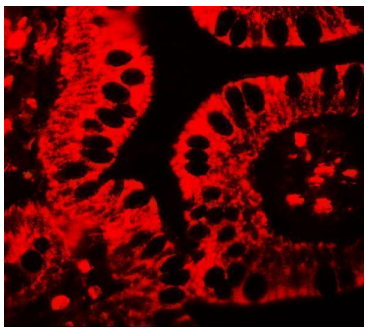
# Anti-Protein shisa-3 homolog SHISA3 Antibody (A17840) Images




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.

Anti-Protein shisa-3 homolog SHISA3 Antibody

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