

Datasheet for ABIN6991838
anti-SHISA4 antibody (AA 100-150)



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Overview

Quantity:	0.1 mg
Target:	SHISA4
Binding Specificity:	AA 100-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHISA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	SHISA4 antibody was raised against a 15 amino acid peptide near the center of human SHISA4 . The immunogen is located within amino acids 100 - 150 of SHISA4.
Isotype:	IgG
Specificity:	SHISA4 antibody is predicted to not cross-react with other SHISA protein family members.
Purification:	SHISA4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SHISA4
Alternative Name:	SHISA4 (SHISA4 Products)

Target Details

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.
Molecular Weight:	Predicted: 22 kDa Observed: 24 kDa
Gene ID:	149345
NCBI Accession:	NP_937792
UniProt:	Q96DD7

Application Details

Application Notes:	SHISA4 Antibody can be used for detection of SHISA4 by Western blot starting at 1 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SHISA4 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	SHISA4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.