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Datasheet for ABIN6991837 **anti-SHISA3 antibody (AA 120-170)**

Overview

Quantity:	0.1 mg
Target:	SHISA3
Binding Specificity:	AA 120-170
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHISA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Specificity:	SHISA3 antibody is predicted to not cross-react with other SHISA protein family members.
Purification:	SHISA3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SHISA3
Alternative Name:	SHISA3 (SHISA3 Products)

Target Details

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.
Molecular Weight:	Predicted: 26 kDa Observed: 28 kDa
Gene ID:	152573
NCBI Accession:	NP_001073974
UniProt:	A0PJX4

Application Details

Application Notes:	SHISA3 Antibody can be used for detection of SHISA3 by Western blot at 1 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SHISA3 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:	SHISA3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.