

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Shisa-4 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Shisa-4 Glu29-Thr85 Accession # Q96DD7
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Shisa-4 (Shisa is a form of Japanese sculpture that involves faces/heads; also known as C1orf40, PRMP and TMEM58) is a 26-32 kDa member of the Shisa-4 subfamily, Shisa family of proteins. It may be found associated with the ER of embryonic limb bud cells, and based on other Shisa proteins, perhaps antagonizes either Wnt or FGF signaling. Shisa-4 is also described as a plasma membrane protein on oligodendroglia that links the ECM to the actin cytoskeleton. Mature human Shisa-4 is a 170 amino acid (aa) type I transmembrane protein. It contains a 60 aa extracellular domain (aa 28-87) plus an 89 aa cytoplasmic region that possesses a Pro-rich segment (aa 131-195). Over aa 29-85, human Shisa-4 shares 96% aa identity with mouse Shisa-4.

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