

DESCRIPTION

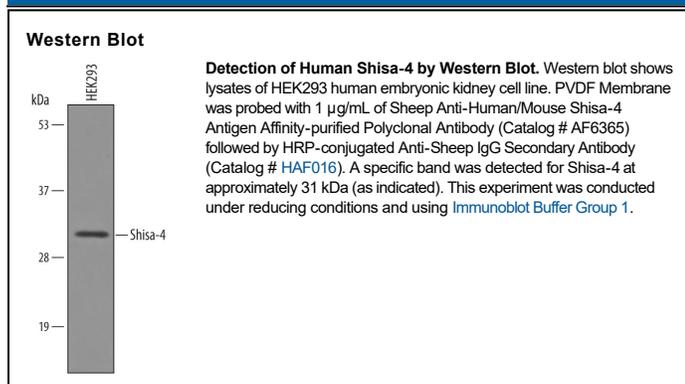
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Shisa-4 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Shisa-4 Glu29-Thr85 Accession # Q96DD7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.