

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects recombinant mouse Follistatin-like 4/FSTL4 in direct ELISAs. Detects human, mouse, and rat Follistatin-like 4/FSTL4 in Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) FSTL4 is observed, and
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Follistatin-like 4/FSTL4 Trp23-Val841 Accession # Q5STE3
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunohistochemistry	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

FSTL4 (Follistatin-like protein 4; also FSL4, SPIG1 and D/Bsp1201-1) is a likely secreted, 90 kDa (predicted) member of the follistatin gene family of TGF-β superfamily inhibitors. It is widely expressed, being found in neurons (retinal ganglion and cerebellar Purkinje cells), cardiac muscle cells, smooth muscle cells and intestinal epithelium. Mature mouse FSTL4 is 819 amino acids (aa) in length (aa 23-841). It contains one kazal-like domain (aa 80-134), an EF-hand motif (aa 173-208), and two Ig-like domains (aa 250-336 and 340-425). There are two potential splice forms, one that shows an alternative start site at Met315, and a second that possesses a His residue substitution for aa 518-841. Full-length mature mouse FSTL4 shares 95% and 84% aa identity with rat and human FSTL4, respectively.

PRODUCT SPECIFIC NOTICES

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