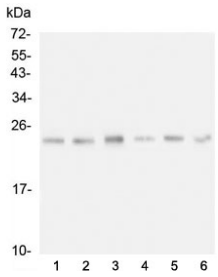
FSTL3 Antibody / Follistatin-like 3 (R31015)

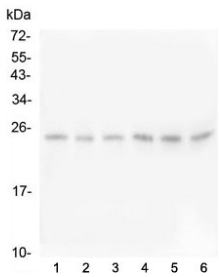
Catalog No.	Formulation	Size
R31015	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O95633
Applications	Western blot: 0.5-1ug/ml
Limitations	This FSTL3 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat testis, 3) rat NRK cell, 4) mouse liver, 5) mouse testis and 6) mouse lung lysate with FSTL3 antibody. Expected molecular weight: 25-39 kDa depending on glycosylation level.



Western blot testing of human 1) U-2 OS, 2) HeLa, 3) A549, 4) PC-3, 5) HepG2 and 6) K562 cell lysate with FSTL3 antibody. Expected molecular weight: 25-39 kDa depending on glycosylation level.

Description

Follistatin-Like 3, also known as FLRG, is a member of the follistatin-module protein family, which is composed of extracellular matrix-associated glycoproteins thought to act in a paracrine manner to bind morphogens or growth/differentiation factors and regulate their activity during development. The FSTL3 gene extends over 7 kbp and contains 5 exons. By Southern blot analysis of somatic cell hybrids and FISH, Hayette et al.(1998) localized the gene to chromosome 19p13. Using recombinant mouse protein, Tsuchida et al.(2000) found that FSTL3 bound both activin and BMP2 and had a higher affinity for activin. Overexpression of the protein inhibited BMP2-induced cell signaling in a reporter assay. In addition to the translocation in a case of B-cell chronic lymphocytic leukemia from which FSTL3 was isolated, Hayette et al.(1998) also observed rearrangement of the gene in a case of B-cell non-Hodgkin lymphoma and in a case of B-cell mantle zone lymphoma, suggesting that FSTL3 may be involved in the leukemogenesis process.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the FSTL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 145-159 (ECELRAARCRGHPDL-human) were used as the immunogen for this FSTL3 antibody.

Storage

After reconstitution, the FSTL3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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