10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FSTL3 Recombinant Rabbit mAb

Catalog # AP100067

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O95633
Other Accession	O95633
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	27663
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FSTL3
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.22 □m filtered solution in 20mM hepes7.4, 150mm NaCl, 50% glycerin,0.03% proclin.
SIMILARITY	Contains 2 follistatin-like domains. Contains 2 Kazal-like domains. Contains 1 TB (TGF-beta binding) domain.
DISEASE	Note=A chromosomal aberration involving FSTL3 is found in a case of B-cell chronic lymphocytic leukemia. Translocation t(11;19)(q13;p13) with CCDN1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FLRG (follistatin-related gene, follistatin-like-3 or FSTL3) 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/differen-tiation factors and regulate their activity during development. The FSTL3 protein contains 2 potential N-glycosylation sites and the predicted mass of the unmodified core protein is 27 kDa. FLRG is expressed in a wide range of human and murine adult tissues and its expression seems to be tightly regulated during murine embryogenesis. Immunohistochemistry reveals the presence of FLRG in the basement membrane between the dermis and the epidermis and around blood vessels.

Additional Information

Gene ID	10272
Other Names	FLRG; FSRP; FSTL3_HUMAN; FSTL3; Follistatin-like protein 3; Follistatin-related gene protein; follistatin like 3; follistatin-like 3 (secreted glycoprotein); follistatin-related protein
Dilution	IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200,ICC/IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FSTL3
Synonyms	FLRG
Function	Isoform 1 or the secreted form is a binding and antagonizing protein for members of the TGF-beta family, such as activin, BMP2 and MSTN. Inhibits activin A-, activin B-, BMP2- and MSDT-induced cellular signaling; more effective on activin A than on activin B. Involved in bone formation; inhibits osteoclast differentiation. Involved in hematopoiesis; involved in differentiation of hemopoietic progenitor cells, increases hematopoietic cell adhesion to fibronectin and seems to contribute to the adhesion of hematopoietic precursor cells to the bone marrow stroma. Isoform 2 or the nuclear form is probably involved in transcriptional regulation via interaction with MLLT10.
Cellular Location	[Isoform 1]: Secreted.
Tissue Location	Expressed in a wide range of tissues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.