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Anti-FSTL3 antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50917

Specification

Anti-FSTL3 antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	O95633
Reactivity	**Human, Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**polyclonal**
Calculated MW	**25 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human FSTL3**
Epitope Specificity	**101-200/263**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Secreted and Nucleus. Although alternative initiation has been demonstrated and resulted in different localization, the major source of nuclear FSTL3 appears not to depend on translation initiation at Met-27 according to.**
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.

Anti-FSTL3 antibody - Additional Information

Gene ID 10272

Other Names
Follistatin-related protein 3, Follistatin-like protein 3, Follistatin-related gene protein, FSTL3, FLRG

Target/Specificity
Expressed in a wide range of tissues.

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

Anti-FSTL3 antibody - 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.

Anti-FSTL3 antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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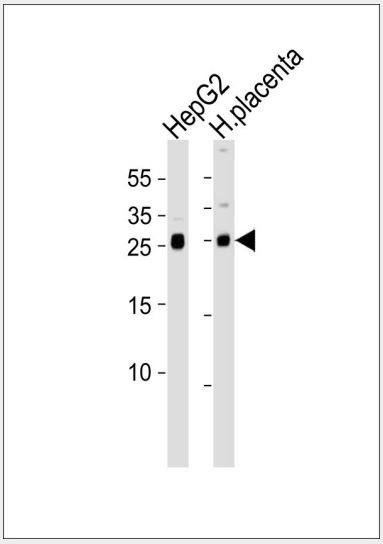
- Flow Cytomety
- Cell Culture

Anti-FSTL3 antibody - Images



Western blot analysis of lysates from HepG2 cell line and human placenta tissue(from left to right), using Anti-FSTL3 antibody AP50917. AP50917 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

Anti-FSTL3 antibody - Background

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Anti-FSTL3 antibody - References

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