

**Anti-FLRG/FSTL3 Antibody**  
Catalog # ABO11218**Specification**

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**Anti-FLRG/FSTL3 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O95633</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Follistatin-related protein 3(FSTL3) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-FLRG/FSTL3 Antibody - Additional Information**

**Gene ID** 10272

**Other Names**

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

**Calculated MW**

27663 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

Isoform 1: Secreted.

**Tissue Specificity**

Expressed in a wide range of tissues. .

**Protein Name**

Follistatin-related protein 3

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human FSTL3(145-159aa ECELRAARCRGHPDL), different from the related rat and mouse sequences by one amino acid.

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins

### Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Sequence Similarities

Contains 2 follistatin-like domains.

## Anti-FLRG/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

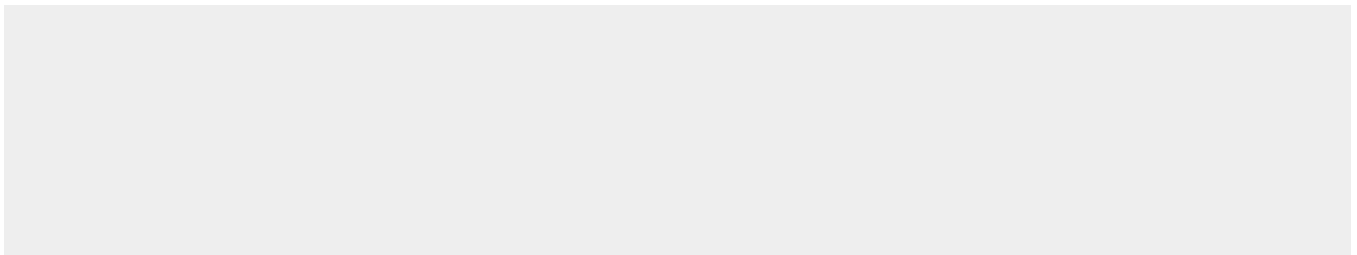
Expressed in a wide range of tissues.

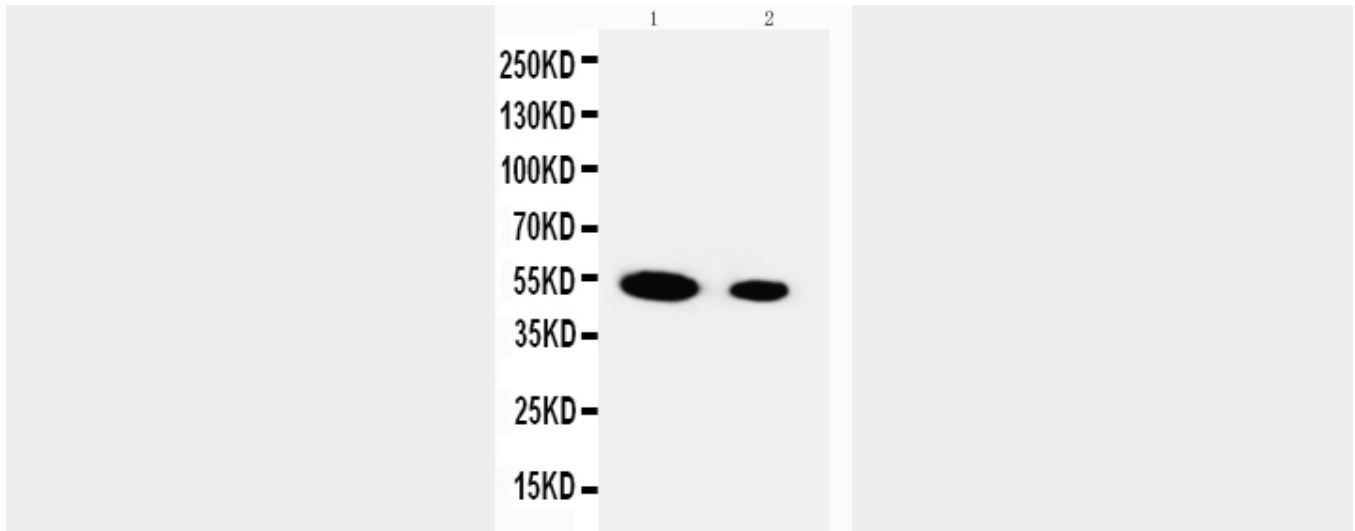
## Anti-FLRG/FSTL3 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-FLRG/FSTL3 Antibody - Images





Anti-FSTL3 antibody, ABO11218, Western blotting Recombinant Protein Detection Source: E.coli derived -recombinant Human FSTL3, 39.2KD(162aa tag+ L52-P251) Lane 1: Recombinant Human FSTL3 Protein 10ng Lane 2: Recombinant Human FSTL3 Protein 5ng

#### **Anti-FLRG/FSTL3 Antibody - Background**

FSTL3(Follistatin-Like 3) also known as FLRG or FOLLISTATIN-RELATED GENE, is a member of the follistatin-module protein family, which is composed of extracellular matrix-associated glycoproteins though 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 FSTL3 gene to chromosome 19p13. Using recombinant mouse Fstl3, Tsuchida et al.(2000) found that Fstl3 bound both activin and BMP2 and had a higher affinity for activin. Overexpression of Fstl3 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 FSTL3 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.