

**Goat Anti-FSTL1 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1445a

### Specification

---

#### Goat Anti-FSTL1 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">Q12841</a>
Other Accession	<a href="#">NP_009016</a> , <a href="#">11167</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5mg/ml
Isotype	IgG
Calculated MW	34986

#### Goat Anti-FSTL1 Antibody - Additional Information

**Gene ID** 11167

#### Other Names

Follistatin-related protein 1, Follistatin-like protein 1, FSTL1, FRP

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-FSTL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-FSTL1 Antibody - Protein Information

**Name** FSTL1

**Synonyms** FRP

#### Function

Secreted glycoprotein that is involved in various physiological processes, such as angiogenesis, regulation of the immune response, cell proliferation and differentiation (PubMed:<a href="http://www.uniprot.org/citations/22265692" target="\_blank">22265692</a>, PubMed:<a href="http://www.uniprot.org/citations/29212066" target="\_blank">29212066</a>). Plays a role in the development of the central nervous system, skeletal system, lungs, and ureter (By

similarity). Promotes endothelial cell survival, migration and differentiation into network structures in an AKT-dependent manner. Also promotes survival of cardiac myocytes (By similarity). Initiates various signaling cascades by activating different receptors on the cell surface such as DIP2A, TLR4 or BMP receptors (PubMed: [20054002](http://www.uniprot.org/citations/20054002), PubMed: [22265692](http://www.uniprot.org/citations/22265692)).

#### **Cellular Location**

Secreted.

#### **Tissue Location**

Overexpressed in synovial tissues from rheumatoid arthritis (PubMed:15638044).

### **Goat Anti-FSTL1 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](#)

### **Goat Anti-FSTL1 Antibody - Images**



AF1445a (0.3 µg/ml) staining of Placenta lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.chemiluminescence.

### **Goat Anti-FSTL1 Antibody - Background**

This gene encodes a protein with similarity to follistatin, an activin-binding protein. It contains an FS module, a follistatin-like sequence containing 10 conserved cysteine residues. This gene product is thought to be an autoantigen associated with rheumatoid arthritis.

### **Goat Anti-FSTL1 Antibody - References**

MicroRNAs and target site screening reveals a pre-microRNA-30e variant associated with schizophrenia. Xu Y, et al. Schizophr Res, 2010 Jun. PMID 20347265. Inherited genetic variant

predisposes to aggressive but not indolent prostate cancer. Xu J, et al. Proc Natl Acad Sci U S A, 2010 Feb 2. PMID 20080650. Follistatin-like protein 1 promotes arthritis by up-regulating IFN-gamma. Clutter SD, et al. J Immunol, 2009 Jan 1. PMID 19109154. Tumor suppressor effect of follistatin-like 1 in ovarian and endometrial carcinogenesis: a differential expression and functional analysis. Chan QK, et al. Carcinogenesis, 2009 Jan. PMID 18796737. Follistatin-like 1, a secreted muscle protein, promotes endothelial cell function and revascularization in ischemic tissue through a nitric-oxide synthase-dependent mechanism. Ouchi N, et al. J Biol Chem, 2008 Nov 21. PMID 18718903.