

## FSTL1 Antibody (C-term)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10534b

### Specification

#### FSTL1 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC, E
Primary Accession	<a href="#">Q12841</a>
Other Accession	<a href="#">O9GKY0</a> , <a href="#">NP_009016.1</a>
Reactivity	Human, Mouse, Rat
Predicted Host	Monkey
Clonality	Rabbit
Isotype	Polyclonal
Antigen Region	Rabbit Ig 280-308

#### FSTL1 Antibody (C-term) - Additional Information

#### Other Names

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

#### Target/Specificity

This FSTL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 280-308 amino acids from the C-terminal region of human FSTL1.

#### Dilution

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

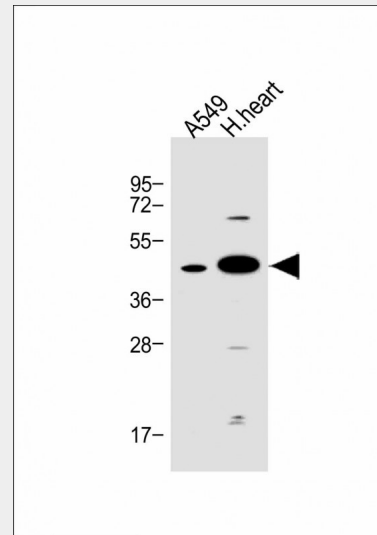
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

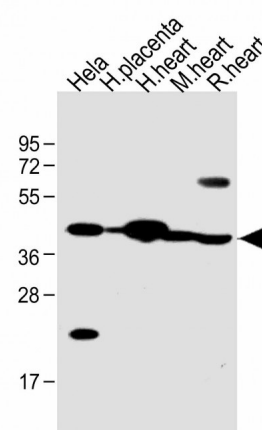
FSTL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### FSTL1 Antibody (C-term) - Protein Information

Name FSTL1



All lanes : Anti-FSTL1 Antibody (C-term) at 1:1000 dilution Lane 1: A549 whole cell lysate Lane 2: human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 35 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



All lanes : Anti-FSTL1 Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: human placenta lysate Lane 3: human heart lysate Lane 4: mouse heart lysate Lane 5: rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 35 kDa Blocking/Dilution

## Synonyms FRP

## Function

May modulate the action of some growth factors on cell proliferation and differentiation. Binds heparin (By similarity).

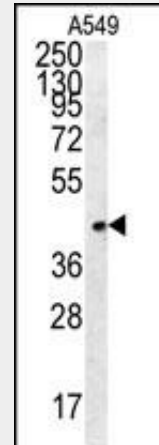
## Cellular Location

Secreted.

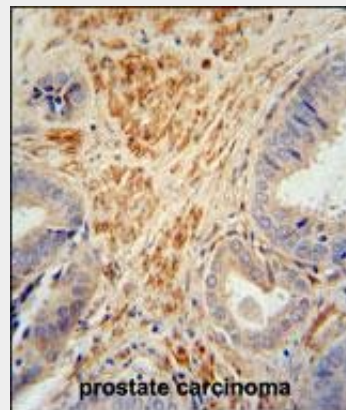
## Tissue Location

Overexpressed in synovial tissues from rheumatoid arthritis. EMBL; U06863; AAA66062.1; -; mRNA EMBL; D89937; BAA28707.1; -; mRNA EMBL; AB119283; BAD12167.1; -; Genomic\_DNA EMBL; AK289388; BAF82077.1; -; mRNA EMBL; AK291138; BAF83827.1; -; mRNA EMBL; AK300356; BAG62097.1; -; mRNA EMBL; AK312261; BAG35192.1; -; mRNA EMBL; AC063952; -; NOT\_ANNOTATED\_CDS; Genomic\_DNA EMBL; AC078982; -; NOT\_ANNOTATED\_CDS; Genomic\_DNA EMBL; CH471052; EAW79526.1; -; Genomic\_DNA EMBL; CH471052; EAW79527.1; -; Genomic\_DNA EMBL; BC000055; AAH00055.1; -; mRNA CCDS; CCDS2998.1; -; [Q12841-1] PIR; S51362; S51362 RefSeq; NP\_009016.1; NM\_007085.4. [Q12841-1] SMR; Q12841; - BioGRID; 116338; 41 IntAct; Q12841; 42 MINT; Q12841; - STRING; 9606.ENSP00000295633; - MEROPS; I01.967; - GlyConnect; 1252; - iPTMnet; Q12841; - PhosphoSitePlus; Q12841; - BioMuta; FSTL1; - DMDM; 2498390; - EPD; Q12841; - jPOST; Q12841; - MassIVE; Q12841; - MaxQB; Q12841; - PaxDb; Q12841; - PeptideAtlas; Q12841; - PRIDE; Q12841; - ProteomicsDB; 5127; - ProteomicsDB; 58980; - [Q12841-1] Antibodypedia; 32794; 371 antibodies Ensembl; ENST00000295633; ENSP00000295633; ENSG00000163430. [Q12841-1] Ensembl; ENST00000424703; ENSP00000394355; ENSG00000163430. [Q12841-2] GeneID; 11167; - KEGG; hsa:11167; - UCSC; uc003eds.4; human. [Q12841-1] CTD; 11167; - DisGeNET; 11167; - EuPathDB; HostDB:ENSG00000163430.9; - GeneCards; FSTL1; - HGNC; HGNC:3972; FSTL1 HPA; ENSG00000163430; Low tissue specificity MIM; 605547; gene neXtProt; NX\_Q12841; - OpenTargets; ENSG00000163430; - PharmGKB; PA28389; - eggNOG; ENOG410IIPU; Eukaryota eggNOG; ENOG410ZJ7W; LUCA GeneTree; ENSGT00940000157784; - HOGENOM; CLU\_038229\_0\_0\_1; - InParanoid; Q12841; - KO; K23912; - OMA; KGSQTH; - OrthoDB; 1079836at2759; - PhylomeDB; Q12841; - TreeFam; TF106409; - Reactome; R-HSA-201451; Signaling by BMP Reactome; R-HSA-381426; Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs) Reactome; R-HSA-8957275; Post-translational protein phosphorylation BioGRID-ORCS; 11167; 0 hits in 786 CRISPR screens ChiTaRS; FSTL1; human GeneWiki; FSTL1; - GenomeRNAi; 11167; - Pharos; Q12841; Tbio PRO; PR:Q12841; - Proteomes; UP000005640; Chromosome 3 RNAct;

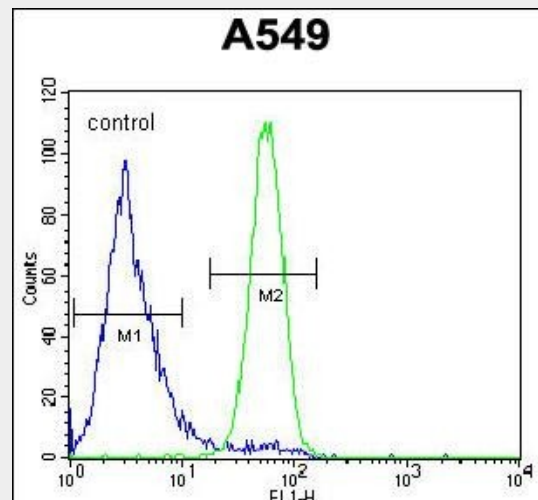
buffer: 5% NFDM/TBST.



FSTL1 Antibody (C-term) (Cat. #AP10534b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the FSTL1 antibody detected the FSTL1 protein (arrow).



FSTL1 antibody (C-term) (Cat. #AP10534b) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FSTL1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FSTL1 Antibody (C-term) (Cat. #AP10534b) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were

Q12841; protein Bgee; ENSG00000163430; Expressed in connective tissue and 225 other tissues ExpressionAtlas; Q12841; baseline and differential Genevisible; Q12841; HS GO; GO:0005788; C:endoplasmic reticulum lumen; TAS:Reactome GO; GO:0070062; C:extracellular exosome; HDA:UniProtKB GO; GO:0005576; C:extracellular region; TAS:Reactome GO; GO:0005615; C:extracellular space; HDA:UniProtKB GO; GO:0005509; F:calcium ion binding; IEA:InterPro GO; GO:0008201; F:heparin binding; TAS:ProtInc GO; GO:0030509; P:BMP signaling pathway; TAS:Reactome GO; GO:0030154; P:cell differentiation; IBA:GO\_Central GO; GO:0044267; P:cellular protein metabolic process; TAS:Reactome GO; GO:0007275; P:multicellular organism development; IBA:GO\_Central GO; GO:0043687; P:post-translational protein modification; TAS:Reactome GO; GO:0030510; P:regulation of BMP signaling pathway; IBA:GO\_Central GO; GO:0042594; P:response to starvation; IEA:Ensembl Gene3D; 3.90.290.10; -; 1 InterPro; IPR011992; EF-hand\_dom\_pair InterPro; IPR002048; EF\_hand\_dom InterPro; IPR003645; FoI\_N InterPro; IPR015369; Follistatin/Osteonectin\_EGF InterPro; IPR002350; Kazal\_dom InterPro; IPR036058; Kazal\_dom\_sf InterPro; IPR036773; TB\_dom\_sf Pfam; PF09289; FOLN; 1 Pfam; PF07648; Kazal\_2; 1 SMART; SM00274; FOLN; 1 SMART; SM00280; KAZAL; 1 SUPFAM; SSF100895; SSF100895; 1 SUPFAM; SSF47473; SSF47473; 1 PROSITE; PS50222; EF\_HAND\_2; 2 PROSITE; PS51465; KAZAL\_2; 1 1: Evidence at protein level; Alternative splicing; Direct protein sequencing; Disulfide bond; Glycoprotein; Heparin-binding; Phosphoprotein; Reference proteome; Repeat; Secreted; Signal SIGNAL 1..20  
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used for the analysis.

## FSTL1 Antibody (C-term) - References

Kai, N., et al. Brain Res. 1073-1074, 60-70 (2006) :  
 Venter, J.C., et al. Science 291(5507):1304-1351(2001)

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KYFKNFDNGD SRLDSSEFLK FVEQNETAIN  
ITTPDQENN KLLRGLCVDA LIELSDENAD  
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ADGAETEVDN NRCVCACGNW VCTAMTCDGK  
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KRVSTKEI

## **FSTL1 Antibody (C-term) - 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](#)

## **FSTL1 Antibody (C-term) - Citations**

- [Determination of follistatin-like protein 1 expression in colorectal cancer and its association with clinical outcomes](#)
- [Follistatin-like protein 1 plays a tumor suppressor role in clear-cell renal cell carcinoma.](#)
- [A genetic polymorphism affects the risk and prognosis of renal cell carcinoma: association with follistatin-like protein 1 expression.](#)