

FSTL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10534b

Product Information

Application WB, IHC-P, FC, E

Primary Accession <u>Q12841</u>

Other Accession Q9GKY0, NP_009016.1
Reactivity Human, Rat, Mouse

Predicted Monkey
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB28536
Calculated MW 34986
Antigen Region 280-308

Additional Information

Gene ID 11167

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~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent

concentration.

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.

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:22265692, PubMed:29212066). 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, PubMed:22265692).

Cellular Location

Secreted.

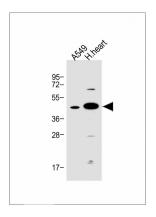
Tissue Location

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

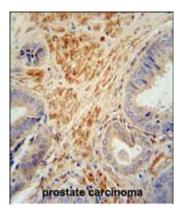
References

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

Images

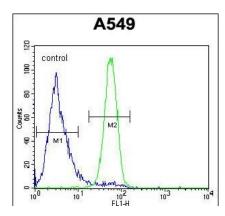


All lanes: Anti-FSTL1 Antibody (C-term) at 1:1000 dilution Lane 1: A549 whole cell lysate Lane 2: human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 35 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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 used for the analysis.



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.

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