

Rabbit anti-Rat FSTL1 Polyclonal Antibody | anti-FSTL1 antibody

Anti-FSTL1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257343	Rabbit	Rat	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

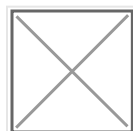
PRODUCT SYNONYMS

FSTL1; Polyclonal Antibody; Anti-FSTL1 Antibody; Rabbit Polyclonal; FSTL1 Antibody; Rabbit PAb; Antigen Affinity Purified; follistatin-like 1; anti-FSTL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat FSTL1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-FSTL1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat FSTL1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat FSTL1 (rR FSTL1). FSTL1 specific IgG was purified by Rat FSTL1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

rat FSTL1 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate 4 uL anti-rat FSTL1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-rat FSTL1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 35 kDa. Observed band size: 41 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of rat FSTL1 in rat pancreas with rabbit polyclonal antibody (1:500, formalin-fixed paraffin embedded sections).



WB (Western Blot)

Anti-FSTL1- rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit & IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 35 kDa Observed band size: 41 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-FSTL1 antibody	Follistatin-related protein 1 (FSTL1) is an extracellular glycoprotein whose functional significance in physiological and pathological processes is incompletely understood. Recently, we have shown that FSTL1 acts as a muscle-derived secreted factor that is up-regulated by Akt activation and ischemic stress and that FSTL1 exerts favorable actions on the heart and vasculature. Here, we sought to identify the receptor that mediates the cellular actions of FSTL1. It contains an FS module, a follistatin-like sequence containing 10 conserved cysteine residues. FSTL1 is thought to be an autoantigen associated with rheumatoid arthritis. DIP2A functions as a novel receptor that mediates the cardiovascular protective effects of FSTL1. Experiment results have provided in vivo and in vitro evidence to demonstrate that Fstl1 modulates lung development and alveolar maturation, in part, through BMP4 signaling.
References	Rosenberg MI, et al. (2006) MyoD inhibits Fstl1 and Utn expression by inducing transcription of miR-206. J Cell Biol. 175(1): 77-85. Ouchi N, et al. (2010) DIP2A functions as a FSTL1 receptor. J Biol Chem. 285(10): 7127-34. Geng Y, et al. (2011) Follistatin-like 1 (Fstl1) is a bone morphogenetic protein (BMP) 4 signaling antagonist in controlling mouse lung development. Proc Natl Acad Sci U S A. 108(17): 7058-63.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13242265
NCBI GeneID	79210
NCBI Accession #	NP_077345.1
NCBI GenBank Nucleotide #	NM_024369.2
UniProt Accession #	Q62632
Molecular Weight	34,622 Da
NCBI Official Full Name	follistatin-related protein 1
NCBI Official Synonym Full Names	follistatin-like 1
NCBI Official Symbol	Fstl1
NCBI Official Synonym Symbols	Frp; Fstl
NCBI Protein Information	follistatin-related protein 1; follistatin-like protein 1
UniProt Protein Name	Follistatin-related protein 1
UniProt Gene Name	Fstl1
UniProt Synonym Gene Names	Frp
UniProt Entry Name	FSTL1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.