

For Research Use Only

FSTL1 Recombinant antibody

Catalog Number: 86444-1-RR



Basic Information

Catalog Number:	86444-1-RR	GenBank Accession Number:	NM_008047.5	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	14314	CloneNo.:	251240E12
Source:	Rabbit	UNIPROT ID:	Q62356	Recommended Dilutions:	WB: 1:5000-1:50000
Isotype:	IgG	Full Name:	follistatin-like 1		
Immunogen Catalog Number:	EG2859	Calculated MW:	35 kDa		
		Observed MW:	35-45 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB: 4T1 cells, C6 cells, mouse embryo tissue, A2780 cells, HeLa cells
Species Specificity:	human, mouse, rat		

Background Information

Follistatin-like 1 (FSTL1), initially discovered as a TGF- β 1-induced gene, encodes a 308 amino acid secreted 45-55 kDa glycoprotein with a follistatin domain and two non-functional calcium-binding motifs. FSTL1 has been reported to be involved in the fate determination and maturation of epithelial cells. Ablation of the FSTL1 gene in the mouse results in several structural developmental defects and neonatal lethality due to respiratory failure, demonstrating its functional importance. FSTL1 has been reported to exhibit both pro- and anti-inflammatory actions, with a specific anti-apoptotic and protective effect in cardiac or renal cell injury. Zwijnen et al. (1994) detected several isoforms of FSTL1 with molecular masses of 40 to 48 kD, which differ from the 50- to 55-kD products detected by Tanaka et al. (1998) (OMIM). (PMID: 26386648; PMID: 23723173; PMID: 20176958).

Storage

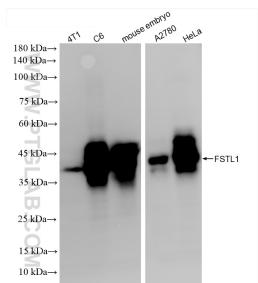
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86444-1-RR (Fstl1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.