

For Research Use Only

# FSTL1 Monoclonal antibody

Catalog Number: 68528-1-Ig



## Basic Information

<b>Catalog Number:</b> 68528-1-Ig	<b>GenBank Accession Number:</b> BC000055	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 11167	<b>CloneNo.:</b> 1G5G1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q12841	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> follistatin-like 1	
<b>Immunogen Catalog Number:</b> AG33795	<b>Calculated MW:</b> 308 aa, 35 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, mouse, rat

**Positive Controls:**  
WB : HEK-293 cells, MCF-7 cells, A2780 cells, HeLa cells, U2OS cells, JAR cells, C6 cells, 4T1 cells

## Background Information

Follistatin-like 1 (FSTL1), initially discovered as a TGF- $\beta$  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. Zwijsen et al. (1994) detected several isoforms of FSTL1 with molecular masses of 40 to 48 kD which differs from the 50- to 55-kD products detected by Tanaka et al. (1998) (OMIM).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

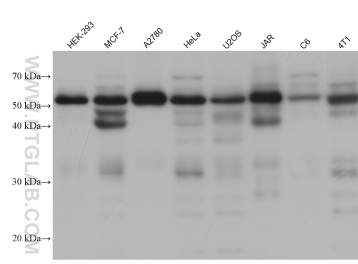
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68528-1-Ig (FSTL1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.