

For Research Use Only

FSTL1 Polyclonal antibody

Catalog Number: 20182-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

20182-1-AP

Size:

150ul, Concentration: 347 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14057

GenBank Accession Number:

BC000055

GeneID (NCBI):

11167

UNIPROT ID:

Q12841

Full Name:

folliculin-like 1

Calculated MW:

308 aa, 35 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: A2780 cells, HeLa cells, human placenta tissue, A431 cells, C6 cells

IP: A2780 cells,

IHC: human colon tissue, human gliomas tissue, human pancreas tissue, human placenta tissue, rat colon tissue, rat testis tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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. 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). (PMID: 26386648; PMID: 23723173; PMID: 20176958).

Notable Publications

Author	Pubmed ID	Journal	Application
Jean Chiou	31653686	Cancer Res	WB
Chuansha Gu	29844309	Cell Death Dis	WB, IHC, IP
Mengjie Wu	33791149	Am J Cancer Res	IHC, CoIP

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

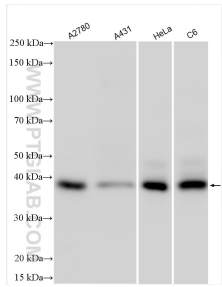
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

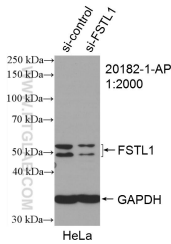
E: proteintech@ptglab.com
W: ptglab.com

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

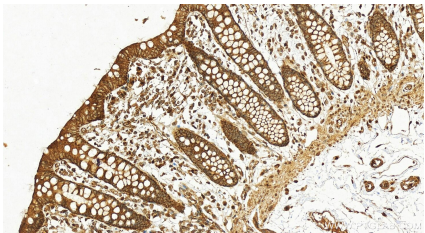
Selected Validation Data



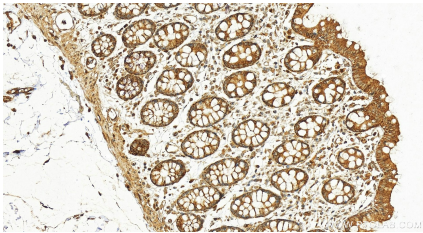
Various lysates were subjected to SDS PAGE followed by western blot with 20182-1-AP (FSTL1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



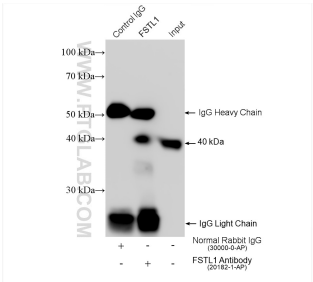
WB result of FSTL1 antibody (20182-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FSTL1 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 20182-1-AP (FSTL1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 20182-1-AP (FSTL1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-FSTL1 (IP:20182-1-AP, 4ug; Detection:20182-1-AP 1:2000) with A2780 cells lysate 960 ug.