

For Research Use Only

Follistatin Monoclonal antibody, PBS Only



Catalog Number: 60060-1-PBS

Featured Product

Basic Information

Catalog Number: 60060-1-PBS	GenBank Accession Number: BC004107	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 10468	CloneNo.: 4E9B10
Source: Mouse	UNIPROT ID: P19883	
Isotype: IgG2b	Full Name: follistatin	
Immunogen Catalog Number: AG0775	Calculated MW: 33 aa, 7 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF

Species Specificity:
human, mouse

Background Information

Follistatin (FST) is a member of the tissue growth factor β family and is a secreted glycoprotein that antagonizes many members of the family, including activin A, growth differentiation factor11, and myostatin. It binds activin A with high affinity and whose expression can be induced by activin A and several other pro-inflammatory cytokines. Activin A-follistatin complexes are biologically inactive and bind to cell surface heparan sulphate-containing proteoglycans for internalisation and degradation. It has also been found to play a significant role in the management of skeletal muscle size and mass. It also has important roles in early embryonic development, differentiation of ovarian granulosa cells, liver fibrosis and polycystic ovarian syndrome. FS 288 glycosylation results in a major species of 35 kDa and a less abundant 40 kDa and minor products of 40 and 42 kDa (PMID: 9785474). Three typical follistatin bands are at 32, 35, and 39 kDa (PMID: 2036994).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

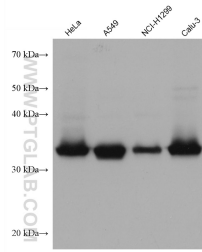
T: 4006900926

E: Proteintech-CN@ptglab.com

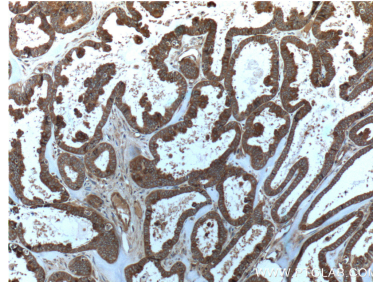
W: ptgcn.com

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

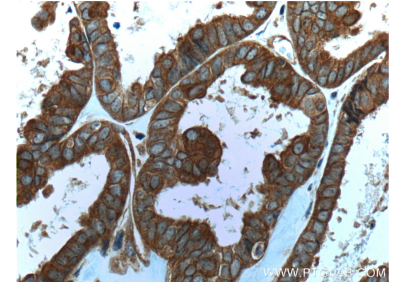
Selected Validation Data



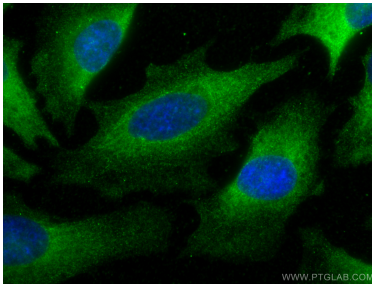
HeLa cells were subjected to SDS PAGE followed by western blot with 60060-1-Ig (Follistatin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60060-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60060-1-Ig (Follistatin antibody at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60060-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60060-1-Ig (Follistatin antibody at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60060-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Follistatin antibody (60060-1-Ig, Clone: 4E9B10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60060-1-PBS in a different storage buffer formulation.