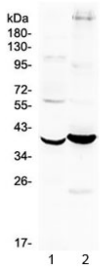
Follistatin Antibody / TGF Beta Signaling Regulator (R32876)

Catalog No.	Formulation	Size
R32876	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P19883
Applications	Western Blot: 0.5-1ug/ml ELISA (Capture; human recombinant protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This Follistatin Antibody / TGF Beta Signaling Regulator is available for research use only.



Follistatin Antibody / TGF Beta Signaling Regulator Human and Mouse WB. Western blot analysis of 1) mouse kidney and 2) human MCF7 cell lysates using Follistatin Antibody / TGF Beta Signaling Regulator at 0.5 ug/ml. A distinct immunoreactive band is detected at approximately 38 kDa in both samples, consistent with the predicted molecular weight of follistatin, supporting specific detection of the endogenous growth factor regulator across mouse and human lysates.

Description

Follistatin Antibody / TGF Beta Signaling Regulator recognizes follistatin (FST), a secreted glycoprotein that regulates transforming growth factor beta superfamily signaling through high-affinity binding to activins and selected bone morphogenetic proteins. By limiting ligand availability, follistatin modulates pathways controlling embryonic development, tissue differentiation, muscle growth, reproductive physiology, and tissue repair. As a key extracellular regulator of transforming growth factor beta signaling, follistatin maintains the balance between growth-promoting and inhibitory signals across numerous tissues. Follistatin Antibody / TGF Beta Signaling Regulator is widely used to investigate

developmental signaling, regenerative biology, and growth factor regulation.

Follistatin is expressed in many adult and embryonic tissues where it functions as an endogenous antagonist of activin signaling. In addition to regulating activins, follistatin interacts with several bone morphogenetic proteins and indirectly influences myostatin activity, contributing to skeletal muscle development, follicular maturation, wound healing, stem cell differentiation, and organogenesis. Through these diverse interactions, follistatin helps coordinate cellular proliferation, differentiation, and tissue homeostasis during both development and adult physiology.

Dysregulation of follistatin expression has been associated with muscle wasting disorders, fibrosis, infertility, metabolic disease, cardiovascular disorders, and multiple forms of cancer. Because follistatin modulates several major developmental signaling pathways, it has become an important biomarker and therapeutic target in regenerative medicine and translational research. Continued investigation of follistatin has improved understanding of extracellular growth factor regulation and mechanisms controlling tissue repair and regeneration.

NSJ Bioreagents' Follistatin Antibody / TGF Beta Signaling Regulator is a rabbit polyclonal antibody validated for western blotting and additional immunodetection applications. This antibody provides reliable detection of endogenous follistatin while supporting investigations into transforming growth factor beta signaling, activin biology, muscle development, reproductive physiology, tissue regeneration, and developmental mechanisms.

Learn more about follistatin biology, activin signaling, and additional validated products on our Follistatin Antibody page.

Application Notes

Optimal dilution of the Follistatin Antibody / TGF Beta Signaling Regulator should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids N31-K261 was used as the immunogen for the Follistatin antibody.

Storage

After reconstitution, the Follistatin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

Follistatin antibody, FST antibody, Activin Binding Protein antibody, TGF Beta Signaling Regulator antibody, Activin Antagonist antibody, FS antibody

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