

Follistatin Polyclonal Antibody

Catalog NumberPA5-19787

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution * 1 µg/mL
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 300 to the C-terminus of Human Follistatin.	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	Immunohistochemistry (Frozen) (IHC (F))	See 1 publications below
Concentration	1 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7.4		
Contains	0.02% sodium azide		
Storage Conditions	-20°C or -80°C if preferred		

Product specific information

For Western Blot, this antibody has non-specific bands at 15 kDa and 75 kDa. This antibody is predicted to react with chicken, cow, dog, pig, chimpanzee and rhesus monkey based on sequence homology.

Background/Target Information

Follistatin is a single-chain gonadal protein that specifically inhibits follicle-stimulating hormone release. The single FST gene encodes two isoforms, FST317 and FST344 containing 317 and 344 amino acids respectively, resulting from alternative splicing of the precursor mRNA. In a study in which 37 candidate genes were tested for linkage and association with polycystic ovary syndrome (PCOS) or hyperandrogenemia in 150 families, evidence was found for linkage between PCOS and follistatin.

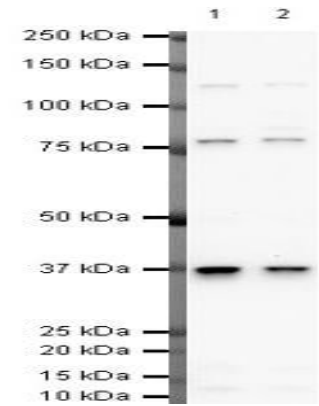
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Product Images For Follistatin Polyclonal Antibody



Follistatin Antibody (PA5-19787) in WB

Western blot analysis of Raji Whole Cell Lysate using Product # PA5-19787, Follistatin primary antibody at a dilution of 1 µg/mL (lane 1). Staining of MOLT4 Whole Cell Lysate at a dilution of 1 µg/mL (lane 2). Blot treated with a secondary HRP-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:3000.

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PubMed References For Follistatin Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-19787 was used in Western Blotting to study the impact of leucine supplementation on myostatin expression using male rats.
Mouse / 1:500	DNA and cell biology (2020; :) "Skeletal Muscle Anti-Atrophic Effects of Leucine Involve Myostatin Inhibition." Author(s):Cruz A,Ferian A,Alves PKN,Silva WJ,Bento MR,Gasch A,Labeit S,Moriscot AS PubMed Article URL: http://dx.doi.org/10.1089/dna.2020.5423

1 Immunohistochemistry (Frozen) References

Species / Dilution	Summary
	PA5-19787 was used in immunohistochemistry - frozen section to study the benefits of heterochronic parabiosis in young and old mice
Mouse / 1:200	Nature communications (2016; 7:) "A single heterochronic blood exchange reveals rapid inhibition of multiple tissues by old blood." Author(s):Rebo J,Mehdipour M,Gathwala R,Causey K,Liu Y,Conboy MJ,Conboy IM PubMed Article URL: http://dx.doi.org/10.1038/ncomms13363

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