10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FST Antibody (monoclonal) (M01A)

Mouse monoclonal antibody raised against a full-length recombinant FST.
Catalog # AT2111a

Product Information

Application	WB
Primary Accession	P19883
Other Accession	BC004107
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgM Kappa
Clone Names	1G4
Calculated MW	38007

Additional Information

Gene ID	10468
Other Names	Follistatin, FS, Activin-binding protein, FST
Target/Specificity	FST (AAH04107, 1 a.a. ~ 344 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FST Antibody (monoclonal) (M01A) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

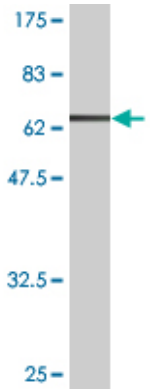
Follistatin is a single-chain gonadal protein that specifically inhibits follicle-stimulating hormone release. The single FST gene encodes two isoforms, FST317 and FST344 containing 317 and 344 amino acids respectively, resulting from alternative splicing of the precursor mRNA. In a study in which 37 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.

References

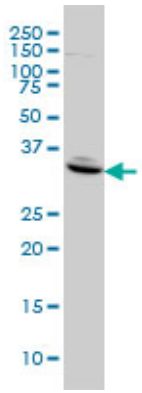
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID

20634891.Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.Increased follistatin levels after oral contraceptive treatment in obese and non-obese women with polycystic ovary syndrome. Chen MJ, et al. Hum Reprod, 2010 Mar. PMID 20093255.Differential expression of follistatin and FLRG in human breast proliferative disorders. Bloise E, et al. BMC Cancer, 2009 Sep 9. PMID 19740438.Levels of expression for BMP-7 and several BMP antagonists may play an integral role in a fracture nonunion: a pilot study. Fajardo M, et al. Clin Orthop Relat Res, 2009 Dec. PMID 19597895.

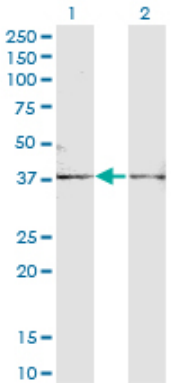
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (63.58 KDa) .



FST monoclonal antibody (M01A), clone 1G4 Western Blot analysis of FST expression in HeLa ((Cat # AT2111a)



Western Blot analysis of FST expression in transfected 293T cell line by FST monoclonal antibody (M01A), clone 1G4.

Lane 1: FST transfected lysate (Predicted MW: 38 KDa).
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.