

Rabbit FST Polyclonal Antibody | anti-FST antibody

FST Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326848	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

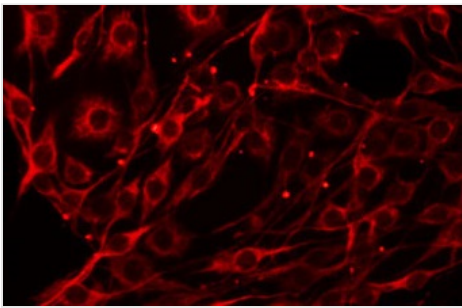
PRODUCT SYNONYMS

FST; Polyclonal Antibody; FST Antibody; Activin binding protein; Activin-binding protein; Follistatin; FS; fst; FST_HUMAN; Human follistatin gene; anti-FST antibody

PRODUCT SPECIFICATIONS

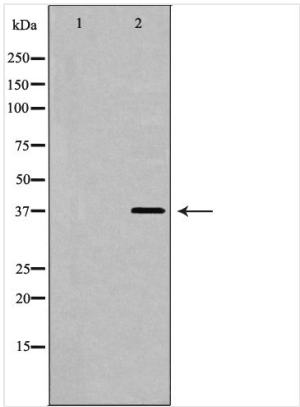
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FST antibody detects endogenous levels of total FST
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-FST antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human FST
Subcellular Location	Secreted.
Tissue Specificity	Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326848 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of HepG2, using FST antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FST antibody

Description: 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.

Function: Binds directly to activin and functions as an activin antagonist. Specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (FSH).

Subunit Structure: Monomer. Isoform 2/FS-288 interacts with GDF11 (PubMed:28257634).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453652
NCBI GeneID	10468
NCBI Accession #	NP_006341.1
NCBI GenBank Nucleotide #	NM_006350.3
UniProt Accession #	P19883; Q9BTH0; B5BU94
Molecular Weight	Observed: 38 kDa Predicted: 39 kDa
NCBI Official Full Name	follistatin isoform FST317
NCBI Official Synonym Full Names	follistatin
NCBI Official Symbol	FST
NCBI Official Synonym Symbols	FS
NCBI Protein Information	follistatin
UniProt Protein Name	Follistatin
UniProt Gene Name	FST
UniProt Synonym Gene Names	FS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

