

FST Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14597B**Specification**

FST Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P19883
Other Accession	P10669 , Q90844 , P50291 , NP_006341.1 , NP_037541.1 , O62650 , P31514
Reactivity	Human
Predicted	Bovine, Chicken, Horse, Pig, Sheep
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38007
Antigen Region	312-340

FST Antibody (C-term) - Additional Information**Gene ID** 10468**Other Names**

Follistatin, FS, Activin-binding protein, FST

Target/Specificity

This FST antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 312-340 amino acids from the C-terminal region of human FST.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FST Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FST Antibody (C-term) - Protein Information**Name** FST ([HGNC:3971](#))

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

Cellular Location

Secreted.

Tissue Location

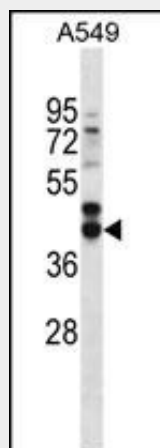
Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid. In the embryo, strong expression is seen in the palatal epithelia, including the medial edge epithelial and midline epithelial seam of the palatal shelves. Less pronounced expression is also seen throughout the palatal shelf and tongue mesenchyme (PubMed:31215115).

FST Antibody (C-term) - Protocols

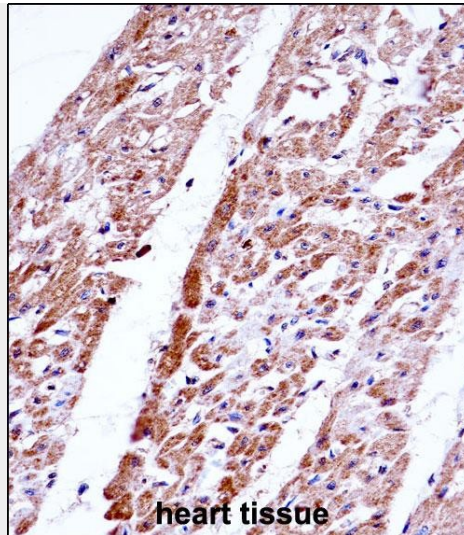
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FST Antibody (C-term) - Images



FST Antibody (C-term) (Cat. #AP14597b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the FST antibody detected the FST protein (arrow).



heart tissue

FST Antibody (C-term) (AP14597b) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FST Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

FST Antibody (C-term) - 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. [provided by RefSeq].

FST Antibody (C-term) - References

Chen, M.J., et al. Hum. Reprod. 25(3):779-785(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
Fajardo, M., et al. Clin. Orthop. Relat. Res. 467(12):3071-3078(2009)
Bloise, E., et al. BMC Cancer 9, 320 (2009) :