

Rabbit Tff1/Ps2 Polyclonal Antibody | anti-Tff1 antibody

Anti-Tff1/Ps2 Picoband Antibody

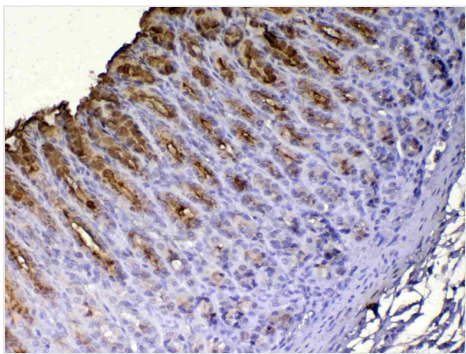
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124645	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot

PRODUCT SYNONYMS

Tff1/Ps2; Polyclonal Antibody; Anti-Tff1/Ps2 Picoband Antibody; Trefoil factor 1; Protein pS2; Tff1; Bcei; Ps2; anti-Tff1 antibody

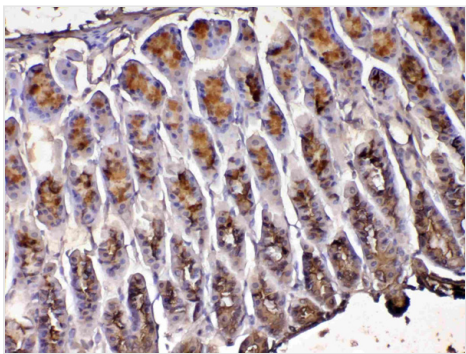
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	87
Applicable Applications for anti-Tff1 antibody	WB (Western Blot)
Immunogen	E Coli-derived mouse Tff1 recombinant protein (Position: Q22-F87). Mouse Tff1 shares 67.2% and 83.6% amino acid (aa) sequence identity with human and rat Tff1, respectively.
Subcellular Localization	Secreted.
Tissue Specificity	Strong expression found in normal gastric mucosa. Not detected in the small or large intestine nor in normal mammary gland.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



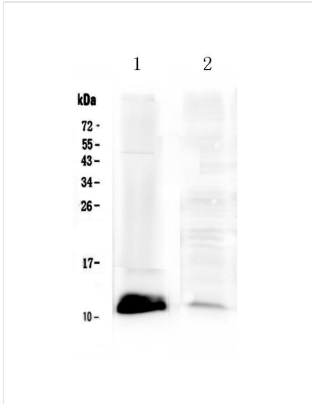
IHC (Immunohistochemisry)

Figure 3. IHC analysis of Tff1 using anti-Tff1 antibody (AAA124645).Tff1 was detected in paraffin-embedded section of rat gaster. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Tff1 Antibody (AAA124645) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of Tff1 using anti-Tff1 antibody (AAA124645).Tff1 was detected in paraffin-embedded section of mouse gaster. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Tff1 Antibody (AAA124645) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Tff1 using anti-Tff1 antibody (AAA124645).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: mouse gaster tissue lysate,Lane 2: human MCF-7 whole cell lysate.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Tff1 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Tff1 at approximately 12KD. The expected band size for Tff1 is at 12KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Tff1 antibody

Description: TFF1 (Trefoil factor 1), also known as pS2, is a protein that in humans is encoded by the TFF1 gene. Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. It is found that TFF1 in normal human urine inhibited the growth of calcium oxalate crystals. Urinary TFF1 showed an inhibitory potency similar to that of nephrocalcin, and inhibition was dose dependent and inhibited by TFF1 antisera, particularly by antisera directed to the TFF1 C terminus. Concentrations and relative amounts of TFF1 in the urine of patients with idiopathic calcium oxalate kidney stones were significantly less than those found in controls. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21.

Protein Function: Stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents.

Product Categories/Family for anti-Tff1 antibody

Signal Transduction; Signaling Pathway; Nuclear Signaling; nuclear hormone Receptors; estrogen

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678307
NCBI GeneID	21784
NCBI Accession #	NP_033388.1
NCBI GenBank Nucleotide #	NM_009362.2
UniProt Accession #	Q08423; Q3TVE6
Molecular Weight	9670 MW
NCBI Official Full Name	trefoil factor 1
NCBI Official Synonym Full Names	trefoil factor 1
NCBI Official Symbol	Tff1
NCBI Official Synonym Symbols	PS2; Bcei
NCBI Protein Information	trefoil factor 1
UniProt Protein Name	Trefoil factor 1
UniProt Gene Name	Tff1
UniProt Synonym Gene Names	Bcei; Ps2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tff1-ps2-antibody-western-blot-elisa/124645>