

Rabbit IgG TFF3/Itf Polyclonal Antibody | anti-Tff3 antibody

Anti-TFF3/Itf Picoband Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124663	Rabbit IgG	Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, ELISA

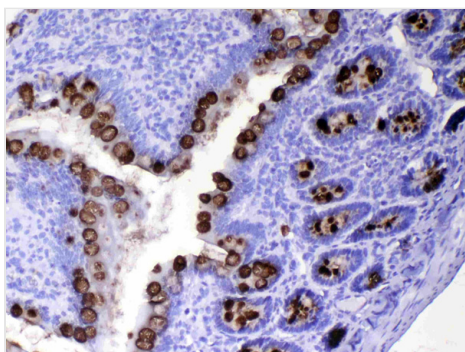
PRODUCT SYNONYMS

TFF3/Itf; Polyclonal Antibody; Anti-TFF3/Itf Picoband Antibody; Trefoil factor 3; Intestinal trefoil factor; rITF; Polypeptide P1.B; rP1.B; Tff3; Itf; anti-Tff3 antibody

PRODUCT SPECIFICATIONS

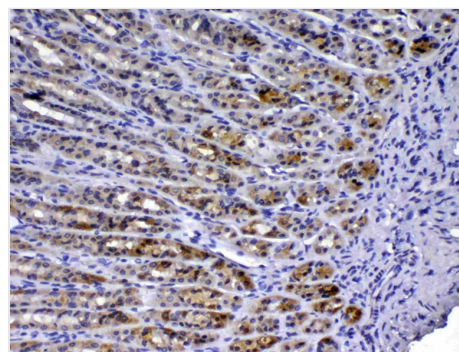
Host	Rabbit IgG
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Sequence Length	81
Applicable Applications for anti-Tff3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived rat TFF3 recombinant protein (Position: Q23-F81).
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.

IMAGES



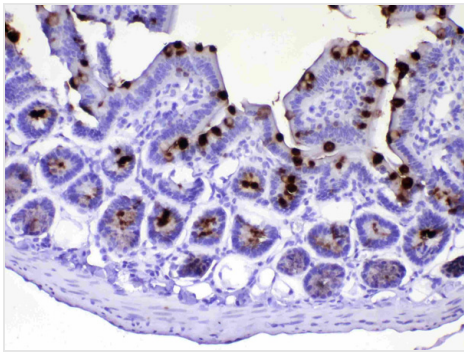
IHC (Immunohistochemistry)

Figure 5. IHC analysis of TFF3 using anti-TFF3 antibody (AAA124663). TFF3 was detected in paraffin-embedded section of rat small intestine tissue. 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-TFF3 Antibody (AAA124663) 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.



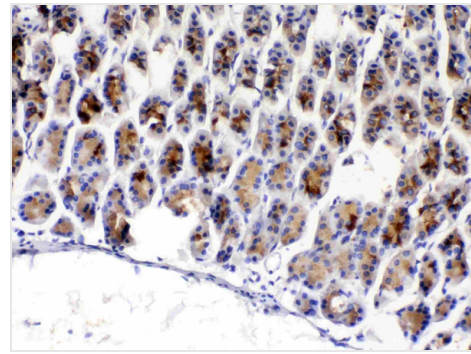
IHC (Immunohistochemistry)

Figure 4. IHC analysis of TFF3 using anti-TFF3 antibody (AAA124663). TFF3 was detected in paraffin-embedded section of rat gaster tissue. 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-TFF3 Antibody (AAA124663) 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.



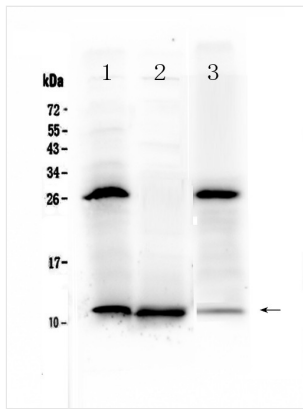
IHC (Immunohistochemistry)

Figure 3. IHC analysis of TFF3 using anti-TFF3 antibody (AAA124663). TFF3 was detected in paraffin-embedded section of mouse small intestine tissue. 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-TFF3 Antibody (AAA124663) 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 (Immunohistochemistry)

Figure 2. IHC analysis of TFF3 using anti-TFF3 antibody (AAA124663). TFF3 was detected in paraffin-embedded section of mouse gaster tissue. 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-TFF3 Antibody (AAA124663) 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 TFF3 using anti-TFF3 antibody (AAA124663). 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: rat gaster tissue lysates, Lane 2: rat small intestine tissue lysates, Lane 3: mouse small intestine tissue lysates. 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-TFF3 antigen affinity purified polyclonal antibody at 0.5 ug/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 TFF3 at approximately 12KD. The expected band size for TFF3 is at 9KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Tff3 antibody

Description: Trefoil factor 3 is a protein that in humans is encoded by the TFF3 gene. It is mapped to 21q22.3. Members of the trefoil family can interact with mucins and have an influence on mucus viscosity. They also promote migration of epithelial cells, are linked to antiapoptosis, induce cell scattering, trigger chemotaxis, and participate in immune responses. This gene is a marker of columnar epithelium and is expressed in a variety of tissues including goblet cells of the intestines and colon. It has been found that TFF3 is the most highly upregulated gene in 19 poorly differentiated endometrioid endometrial carcinomas (G3-EECs) compared with normal endometrium biopsies. **Protein Function:** Involved in the maintenance and repair of the intestinal mucosa. Promotes the mobility of epithelial cells in healing processes (motogen) (By similarity).

Product Categories/Family for anti-Tff3 antibody

Signal Transduction; Cytoskeleton/ECM; Extracellular Matrix; ECM Proteins; Other ecm proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	386869333
NCBI GeneID	25563
NCBI Accession #	NP_037174.2
NCBI GenBank Nucleotide #	NM_013042.2
UniProt Accession #	Q03191; Q68FZ2
NCBI Official Full Name	trefoil factor 3
NCBI Official Synonym Full Names	trefoil factor 3
NCBI Official Symbol	Tff3
NCBI Official Synonym Symbols	ITF
NCBI Protein Information	trefoil factor 3
UniProt Protein Name	Trefoil factor 3
UniProt Gene Name	Tff3
UniProt Synonym Gene Names	Itf; rITF; rP1.B

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tff3-itf-antibody-western-blot-immunohistochemistry-elisa/124663>