

Datasheet for 600-401-FD3**TFF3 Antibody****Overview**

Description:	Anti-TFF3 (RABBIT) Antibody - 600-401-FD3
Item No.:	600-401-FD3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Trefoil peptides are protease resistant molecules secreted throughout the gut that play a role in mucosal healing. Trefoil peptides contain three intrachain disulfide bonds, forming the trefoil motif, or P-domain and clustered in human chromosome 21q22.3. Trefoil Factor 3 (TFF3) is one of three trefoil peptides secreted by epithelial cells that line mucus membranes in the large and small intestines and lower respiratory tract. TFF3 is mainly active as a disulfide-linked homodimer and may have a role in promoting cell migration in healing processes. It is involved in the maintenance and repair of the intestinal mucosa.
Synonyms:	TFF3 Antibody, ITF, P1B, TFI, ITF, Trefoil factor 3, Intestinal trefoil factor, hITF
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TFF3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TFF3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human TFF3.

Purity/Specificity:	Anti-TFF3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TFF3 antibody is predicted to not cross-react with other TFF family members.
Relevant Links:	• UniProtKB - Q07654 • GeneID - 7033 • NCBI - NP_003217.3

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TFF3 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry, immunocytochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 9 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	2 µg/mL

Formulation

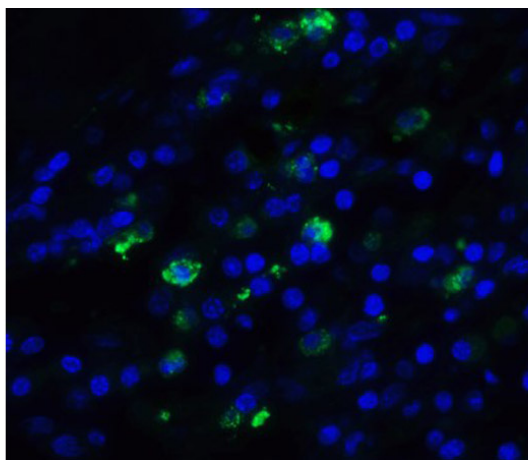
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

Expiration date is one (1) year from date of receipt.

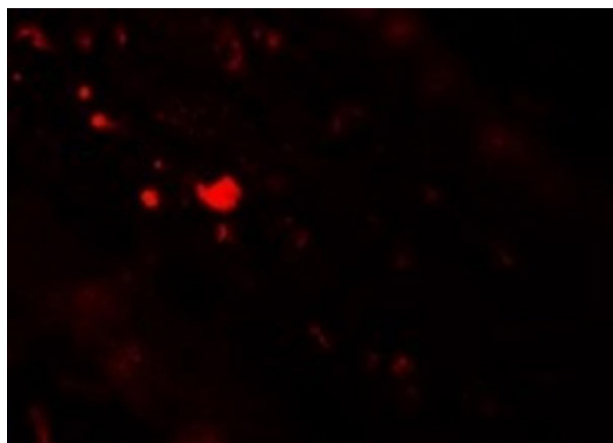
Images**Immunofluorescence Microscopy**

Immunofluorescence of TFF3.

Tissue: human small intestine tissue.

Primary Antibody: TFF3 antibody at 20 µg/ml.

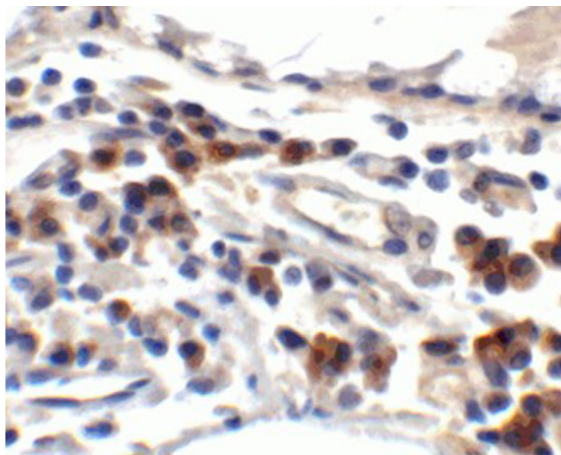
Staining: TFF3 Antibody (red), DAPI staining (blue).

**Immunofluorescence Microscopy**

Immunofluorescence of TFF3.

Tissue: Human Small Intestine tissue.

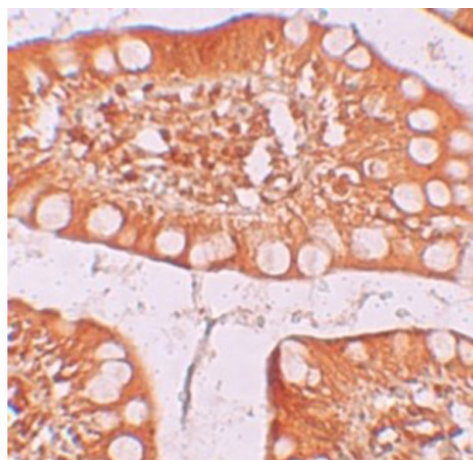
Primary Antibody: TFF3 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of TFF3.

Tissue: human small intestine tissue.

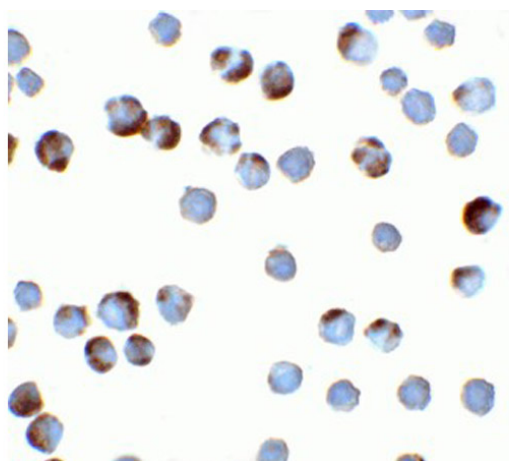
Primary Antibody: TFF3 antibody at 2 µg/ml.

**Immunohistochemistry**

Immunohistochemistry of TFF3.

Tissue: human small intestine tissue.

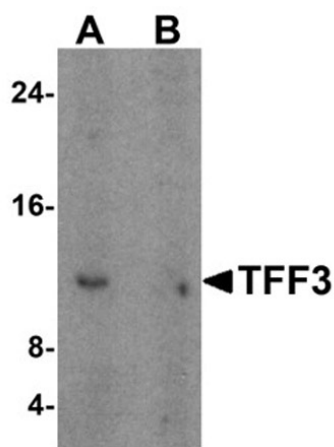
Primary Antibody: TFF3 antibody at 2.5 µg/mL.

**Immunocytochemistry**

Immunocytochemistry of TFF3.

Cell: HeLa cells.

Primary Antibody: TFF3 antibody at 2 µg/ml.

**Western Blot**

Western blot analysis of TFF3.

Load: human colon tissue lysate.

Primary Antibody: TFF3 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

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