

## Anti-Trefoil factor 3 TFF3 Antibody

Catalog Number: A01738

### About TFF3

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.

### Overview

Product Name	Anti-Trefoil factor 3 TFF3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Trefoil factor 3 TFF3 Antibody (Catalog # A01738). Tested in ELISA, WB, IHC-P, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	TFF3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TFF3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q07654

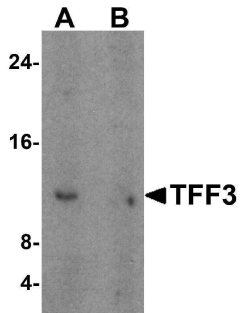
### Technical Details

Immunogen	TFF3 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human TFF3. The immunogen is located within the last 50 amino acids of TFF3.
Predicted Reactive Species	Bovine, Pig
Cross Reactivity	TFF3 antibody is predicted to not cross-react with other TFF family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TFF3 Antibody is affinity chromatography purified via peptide column.

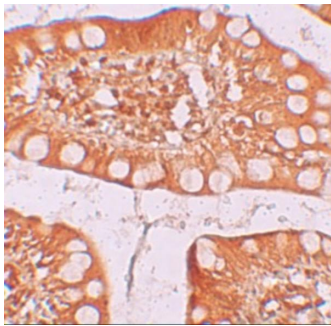
Suggested Dilutions

TFF3 antibody can be used for detection of TFF3 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL and immunocytochemistry at starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL.  
Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

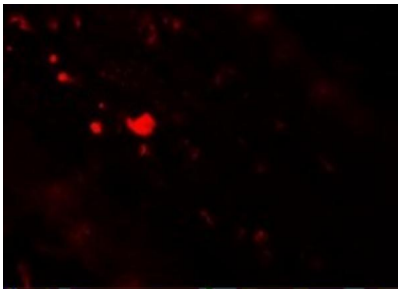
## Anti-Trefoil factor 3 TFF3 Antibody (A01738) Images



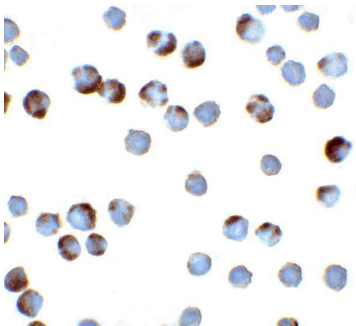
Western blot analysis of TFF3 in human colon tissue lysate with TFF3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TFF3 in human small intestine tissue with TFF3 antibody at 2.5 ug/mL.

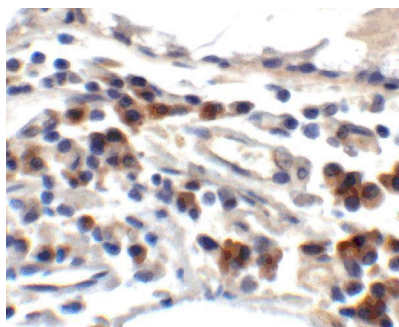
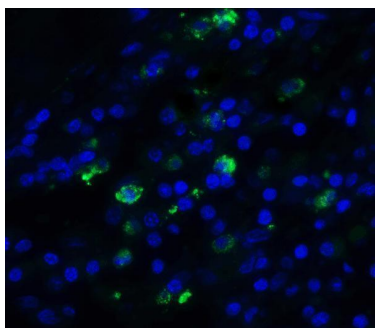


Immunofluorescence of TFF3 in Human Small Intestine tissue with TFF3 antibody at 20 ug/mL.



Immunocytochemistry of TFF3 in HeLa cells with TFF3 antibody at 2 ug/ml.

Immunofluorescence of TFF3 in human small intestine tissue with TFF3 antibody at 20 ug/ml. Red: TFF3 Antibody (A01738) Blue: DAPI staining



Immunohistochemistry of TFF3 in human small intestine tissue with TFF3 antibody at 2 ug/ml.

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For Research Use Only. Not for use in diagnostic procedures.