

Basic Information

Product Name	Anti-Trefoil factor 3/TFF3 Antibody	
Gene Name	Tff3	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	mouse, rat	
Tested Application	WB, IHC, IF, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived mouse TFF3 recombinant protein (Position: A23-F81).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	9 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunofluorescence (IF):	1:50-400
	ELISA:	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

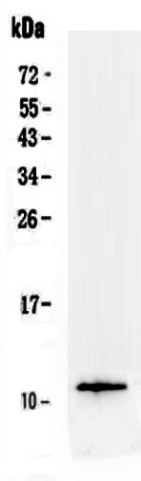
Background Information

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.

Reference

Anti-Trefoil factor 3/TFF3 Antibody被引用在2文献中。

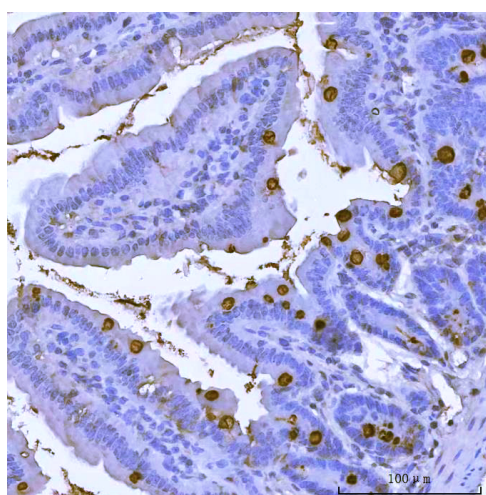
Selected Validation Data



Western blot analysis of Trefoil factor 3/TFF3 using anti-Trefoil factor 3/TFF3 antibody (A01738-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

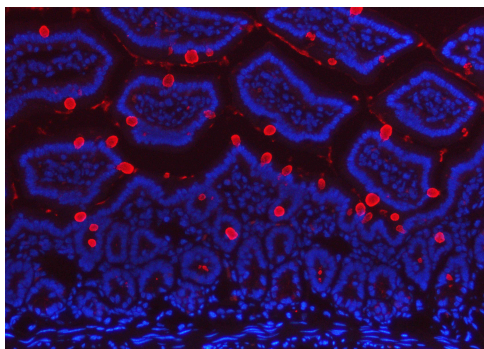
Lane 1: mouse small intestine tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Trefoil factor 3/TFF3 antigen affinity purified polyclonal antibody (A01738-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Trefoil factor 3/TFF3 at approximately 9 kDa. The expected band size for Trefoil factor 3/TFF3 is at 9 kDa.



IHC analysis of TFF3 using anti-TFF3 antibody (A01738-3).

TFF3 was detected in a paraffin-embedded section of mouse colon tissue. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of TFF3 using anti-TFF3 antibody (A01738-3).

TFF3 was detected in a paraffin-embedded section of mouse intestine tissue. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).