

For Research Use Only

# Trefoil factor 3 Polyclonal antibody

Catalog Number: 23277-1-AP

Featured Product

5 Publications



## Basic Information

Catalog Number:

23277-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9543

GenBank Accession Number:

BC017859

GeneID (NCBI):

7033

UNIPROT ID:

Q07654

Full Name:

trefoil factor 3 (intestinal)

Calculated MW:

80 aa, 9 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:400-1:1600

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IHC : human colon tissue, human small intestine tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Trefoil factor 3 (TFF3) belongs to the TFF-domain peptide family which consists of three small secreted proteins (TFF1, TFF2, TFF3) that are expressed by mucous-secreting epithelia. TFF3 is a major constituent in the goblet cells in small and large intestines, especially a typical secretory peptide of the normal human antral and pyloric gastric mucosa. TFF3 is essential in regulating cell migration and maintaining normal GI mucosal integrity. TFF3 has been reported to be overexpressed at the gene and the protein level in human neoplasms such as prostate, breast, and colon cancer. TFF3 is involved in tumor cell scattering, angiogenesis, and invasion.

## Notable Publications

Author	Pubmed ID	Journal	Application
Buqing Ye	32449550	EMBO J	WB
Zhuo Zhang	31362594	J Histotechnol	WB
Wen-Cheng Chung	31276933	Neoplasia	WB,IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

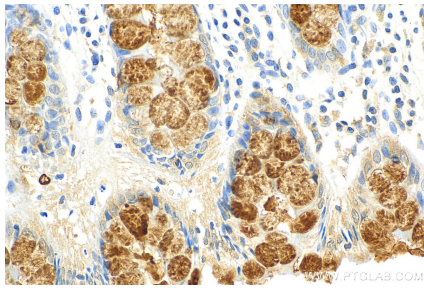
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

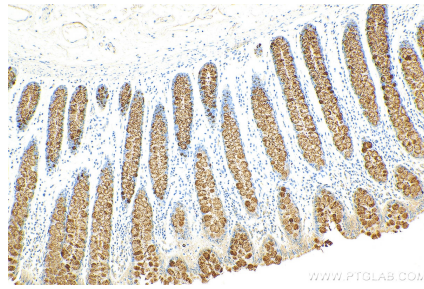
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 23277-1-AP (Trefoil factor 3 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 23277-1-AP (Trefoil factor 3 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).