

For Research Use Only

TFF2 Polyclonal antibody, PBS Only

Catalog Number: 13681-1-PBS



Basic Information

Catalog Number:

13681-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4537

GenBank Accession Number:

BC032820

GeneID (NCBI):

7032

UNIPROT ID:

Q03403

Full Name:

trefoil factor 2

Calculated MW:

129 aa, 14 kDa

Observed MW:

18-20 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-P, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

The trefoil factor family (TFF), comprises of three polypeptides, TFF1, TFF2 and TFF3 (7-12 kDa), secreted to mucosal surfaces by mucus producing cells, prominently in the gastrointestinal tract. TFF2, also known as spasmolytic polypeptide, is a low-molecular weight protein, expressed in mucous neck cells of the fundus and glands at the base of the antrum in normal human stomach. TFF2 could Inhibit gastrointestinal motility and gastric acid secretion. However, recent studies suggest that TFF2 could also play an important role in the immune system. We got a 18-20 kDa band in western blotting maybe due to glycosylation, and mature TFF2 is a 12 kDa protein (PMID: 10716671).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

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)

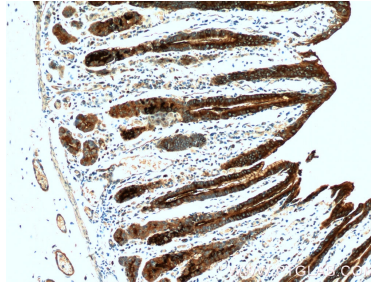
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

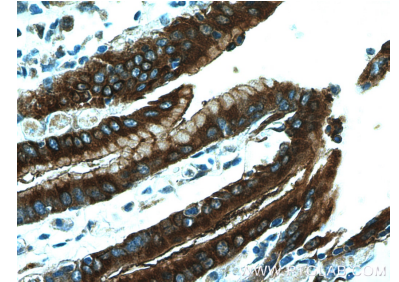
Selected Validation Data



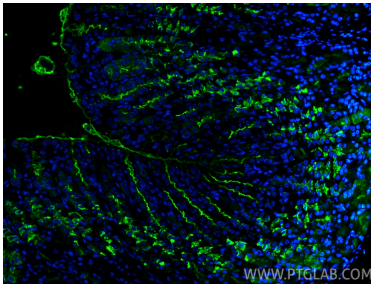
human stomach tissue were subjected to SDS PAGE followed by western blot with 13681-1-AP (TFF2 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13681-1-PBS in a different storage buffer formulation.



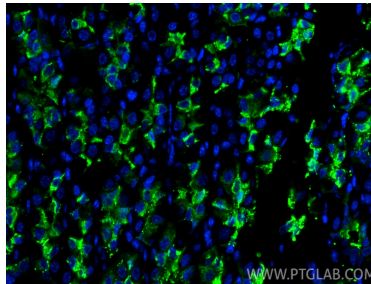
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13681-1-AP (TFF2 Antibody) at dilution of 1:1000 (under 10x lens). This data was developed using the same antibody clone with 13681-1-PBS in a different storage buffer formulation.



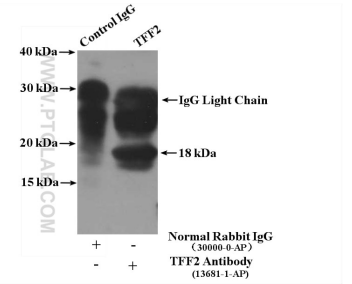
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13681-1-AP (TFF2 Antibody) at dilution of 1:1000 (under 40x lens). This data was developed using the same antibody clone with 13681-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse stomach tissue using TFF2 antibody (13681-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13681-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse stomach tissue using TFF2 antibody (13681-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13681-1-PBS in a different storage buffer formulation.



IP result of anti-TFF2 (IP:13681-1-AP, 4ug; Detection:13681-1-AP 1:600) with mouse stomach tissue lysate 4000ug. This data was developed using the same antibody clone with 13681-1-PBS in a different storage buffer formulation.