For Research Use Only

TFF2 Polyclonal antibody

Catalog Number: 13681-1-AP   39 Publications

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Basic Information

Catalog Number:
13681-1-AP

Size:
150ul , Concentration: 400 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4537

GenBank Accession Number:
BC032820

GeneID (NCBI):
7032

Full Name:
trefoil factor 2

Calculated MW:
129 aa, 14 kDa

Observed MW:
18-20 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse

Cited Species:
human, mouse, Gerbil

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

Positive Controls:

WB : human stomach tissue, human urine sample

IP : mouse stomach tissue,

IHC : human stomach tissue, human stomach cancer tissue, mouse stomach tissue, mouse small intestine tissue

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 botting maybe due to glycosylatation, and mature TFF2 is a 12 kDa protein (PMID: 10716671).

Notable Publications

Author	Pubmed ID	Journal	Application
Massimo Rugge	33004294	Dig Liver Dis	IHC
Valentina Angerilli	34537878	Virchows Arch	IHC
Tetsuya Yokoyama	28936122	J Inflamm (Lond)	IHC

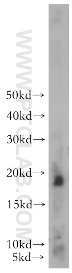
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

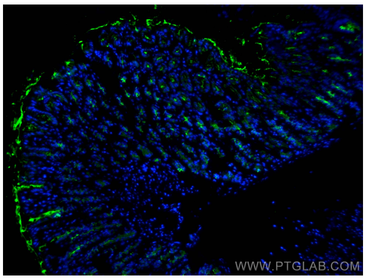
***** 20ul sizes contain 0.1% BSA**

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

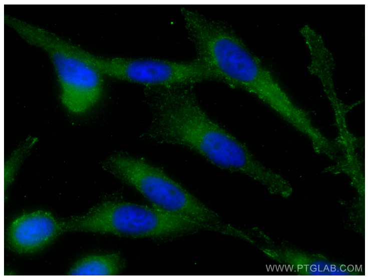
Selected Validation Data



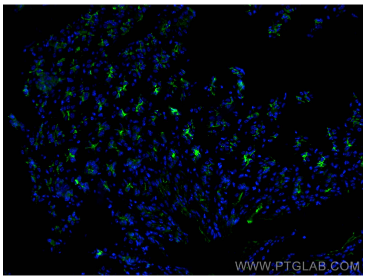
human stomach tissue were subjected to SDS PAGE followed by western blot with 13681-1-AP (TFF2 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



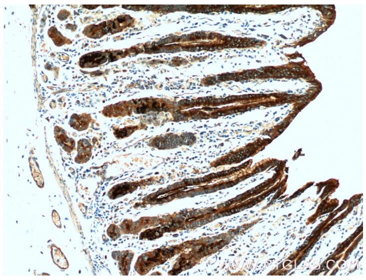
Immunofluorescent analysis of (4% PFA) fixed mouse stomach tissue using TFF2 antibody (13681-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



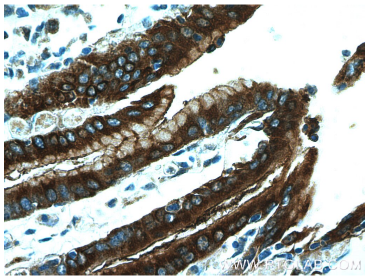
Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using TFF2 antibody (13681-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



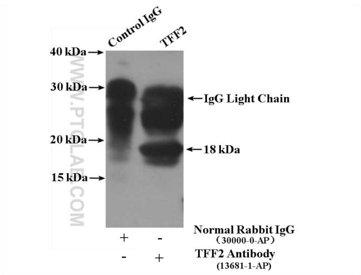
Immunofluorescent analysis of (4% PFA) fixed mouse stomach tissue using TFF2 antibody (13681-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13681-1-AP (TFF2 Antibody) at dilution of 1:1000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13681-1-AP (TFF2 Antibody) at dilution of 1:1000 (under 40x lens).



IP Result of anti-TFF2 (IP:13681-1-AP, 4ug; Detection:13681-1-AP 1:600) with mouse stomach tissue lysate 4000ug.