

For Research Use Only

TFF2 Recombinant antibody

Catalog Number:83717-4-RR



Basic Information

Catalog Number:

83717-4-RR

Size:

1000 ug/ml

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:

Protein A purification

CloneNo.:

240661G12

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, FC (Intra), IP, ELISA

Species Specificity:

human

Positive Controls:

WB : human urine sample,

IP : mouse stomach 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 blotting maybe due to glycosylation, and mature TFF2 is a 12 kDa protein (PMID: 10716671).

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

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

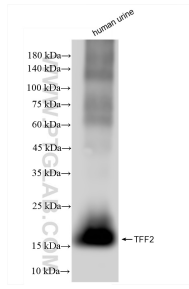
T: 4006900926

E: Proteintech-CN@ptglab.com

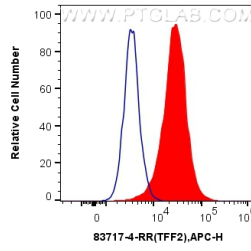
W: ptgcn.com

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

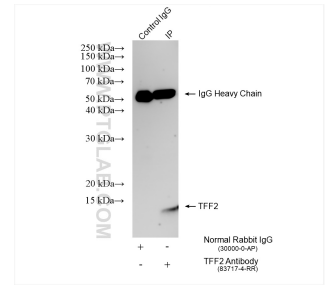
Selected Validation Data



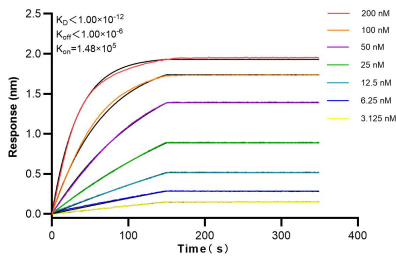
Human urine sample was subjected to SDS PAGE followed by western blot with 83717-4-RR (TFF2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 PC-3 cells were intracellularly stained with 0.25 μ g TFF2 Recombinant antibody (83717-4-RR, Clone:240661G12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP result of anti-TFF2 (IP:83717-4-RR, 4 μ g; Detection:83717-4-RR 1:1000) with mouse stomach tissue lysate 1360 μ g.



Bi-layer interferometry (BLI) kinetic assays of 83717-4-RR against Human TFF2 were performed. The affinity constant is below 1 pM.