

CoraLite® Plus 488-conjugated TFF2 Polyclonal antibody

Catalog Number: **CL488-13681**

Basic Information

Catalog Number:

CL488-13681

Size:

1000 µg/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:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P: 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:

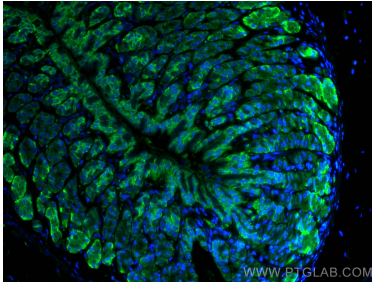
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse stomach tissue using CoraLite® Plus 488 TFF2 antibody (CL488-13681) at dilution of 1:200.