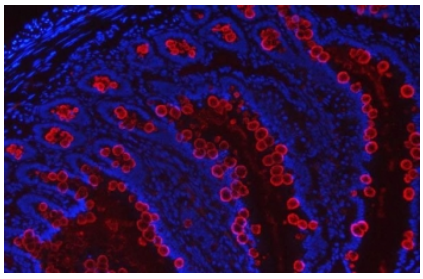
Tff3 Antibody / Trefoil factor 3 (RQ4090)

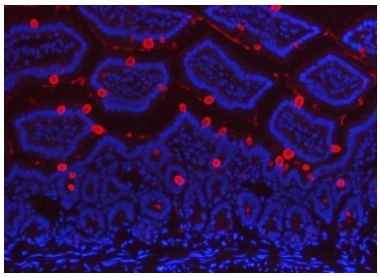
Catalog No.	Formulation	Size
RQ4090	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

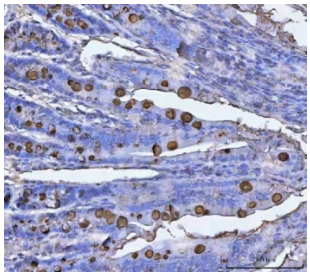
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q62395
Localization	Cytoplasmic, secreted
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml Immunofluorescence (FFPE): 5ug/ml
Limitations	This Tff3 antibody is available for research use only.



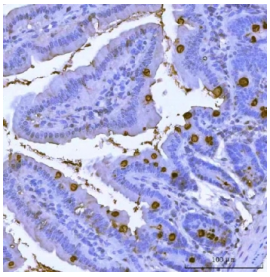
Immunofluorescent staining of FFPE rat intestinal tissue with Tff3 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



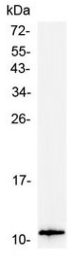
Immunofluorescent staining of FFPE mouse intestinal tissue with Tff3 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE rat colon tissue with Tff3 antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse colon tissue with Tff3 antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



Western blot testing of mouse small intestine tissue lysate with Tff3 antibody at 0.5ug/ml. Predicted molecular weight ~10 kDa.

Description

Trefoil factor 3 is a protein that in humans is encoded by the TFF3 gene. It is mapped to 21q22.3. Members of the trefoil family can interact with mucins and have an influence on mucus viscosity. They also promote migration of epithelial cells, are linked to antiapoptosis, induce cell scattering, trigger chemotaxis, and participate in immune responses. This gene is a marker of columnar epithelium and is expressed in a variety of tissues including goblet cells of the intestines and colon. It has been found that TFF3 is the most highly upregulated gene in 19 poorly differentiated endometrioid endometrial carcinomas (G3-EECs) compared with normal endometrium biopsies.

Application Notes

Optimal dilution of the Tff3 antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids A23-F81 was used as the immunogen for the Tff3 antibody.

Storage

After reconstitution, the Tff3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.