

Recombinant Anti-Trefoil Factor 3 Rabbit mAb

Catalog # AP95319

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q07654
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	8641

Additional Information

Gene ID	7033
Other Names	ITF; TFI; Trefoil factor 3; Intestinal trefoil factor; hITF; Polypeptide P1.B; hP1.B
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Trefoil Factor 3 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

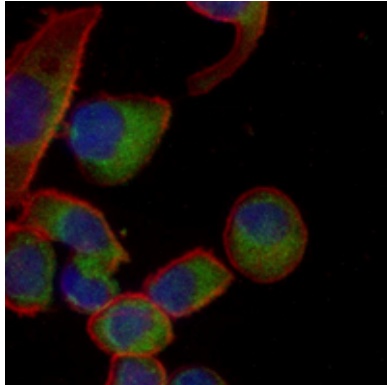
Protein Information

Name	TFF3
Synonyms	ITF, TFI
Function	Involved in the maintenance and repair of the intestinal mucosa. Promotes the mobility of epithelial cells in healing processes (motogen).
Cellular Location	Secreted, extracellular space, extracellular matrix. Cytoplasm
Tissue Location	Expressed in goblet cells of the intestines and colon (at protein level). Expressed by goblet cells of small and large intestinal epithelia and also by the uterus. Also expressed in the hypothalamus where it is detected in paraventricular, periventricular and supraoptic nuclei (at protein level).

Images



Western blot analysis of Trefoil Factor 3 expression in human colon cancer (A) whole cell lysates. (Predicted band size: 9 kD; Observed band size: 10 kD)



Immunofluorescent analysis of Trefoil Factor 3 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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