SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TFF2 antibody

Catalog Number: SL23857R

FOR RESEARCH USE ONLY

[DATASHEET]

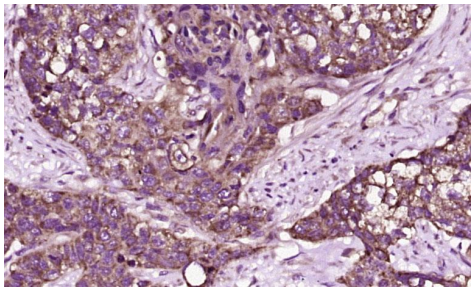
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TFF2
Immunogen:	KLH conjugated synthetic peptide derived from human TFF2: 31-100/129
Purification:	affinity purified by Protein A
Concentration:	1mg/1ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Pig)
Predicted MW.:	12/14kDa
Subcellular Location:	Secretory protein
Background:	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. The encoded protein inhibits gastric acid secretion. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008] **Function:** Inhibits gastrointestinal motility and gastric acid secretion. Could function as a structural component of gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains (By similarity). **Subcellular Location:** Secreted.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

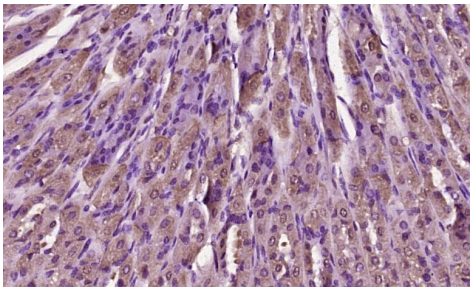
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	Tissue Specificity: Stomach. **Similarity:** Contains 2 P-type (trefoil) domains. **Database links:** **Entrez Gene:** 7032 Human **Entrez Gene:** 21785 Mouse **Entrez Gene:** 116592 Rat **SwissProt:** Q03403 Human **SwissProt:** Q03404 Mouse **SwissProt:** Q09030 Rat Trefoil peptides may confer greater stability to the mucosal gel, enhancing the gastric mucosa's defense against various damaging factors. The direct role of trefoil peptides in inducing epithelial repair can be applied to many gastrointestinal diseases. As an adjuvant or replacement for corticosteroids or other immunosuppressants, it may represent a breakthrough in the treatment of ulcer disease and inflammatory bowel disease.

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TFF2) Polyclonal Antibody, Unconjugated (SL23857R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TFF2) Polyclonal Antibody, Unconjugated (SL23857R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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