



## Rabbit Anti-TFF2 antibody

SL1921R

<b>Product Name:</b>	TFF2
<b>Chinese Name:</b>	三叶肽因子2抗体
<b>Alias:</b>	Trefoil factor2; mSP; SP; Spasmolytic polypeptide; Spasmolysin; SML 1; SML1; spasmolytic protein 1; TFF 2; trefoil factor 2 (spasmolytic protein 1); TFF 2; TFF2 HUMAN; Trefoil factor 2; Trefoil factor 2 precursor.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	12/14kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TFF2:51-129/129
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**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.

**Tissue Specificity:**

Stomach.

**Similarity:**

Contains 2 P-type (trefoil) domains.

**SWISS:**

Q03403

**Gene ID:**

7032

**Database links:**

[Entrez Gene: 7032](#)Human

[Omim: 182590](#)Human

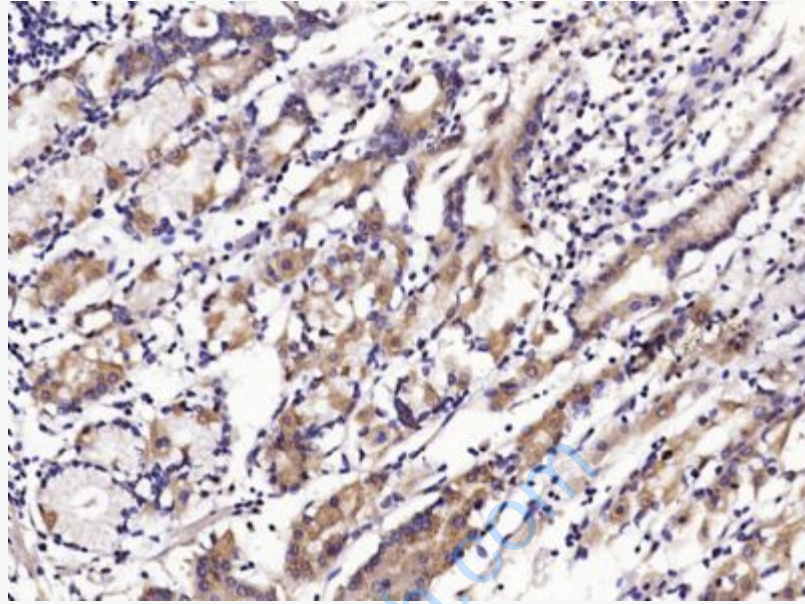
[SwissProt: Q03403](#)Human

[Unigene: 2979](#)Human

**Important Note:**

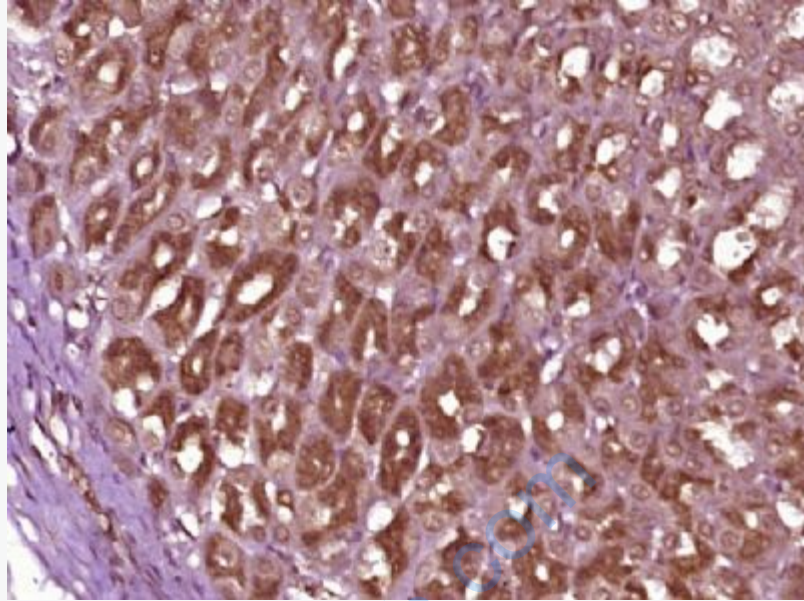
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三叶肽可能使黏膜凝胶产生更大的稳定性,使胃黏膜对各种损伤因子的防御能力增强。三叶肽在诱导上皮修复上的直接作用,可用于许多胃肠道疾病。它作为辅助剂或取代皮质类固醇或其他免疫抑制剂,在溃疡病及炎症性肠病的治疗上可能是一个突破。



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Human stomach); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (TFF2) Polyclonal Antibody, Unconjugated (SL1921R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat 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 (SL1921R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.