

Rabbit Anti-TFF3 antibody

SL0535R

Product Name	TFF3
Chinese Name	三叶肽因子 3 抗体
Alias	Trefoil Factor 3; Trefoil factor3; hP1.B; Intestinal trefoil factor; ITF; mITF; OTTMUSP00000021729; Polypeptide P1.B; TFF3; TFI; TREFOIL; Trefoil factor (intestinal).
Research Area	Signal transduction Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Mouse, Rat, (predicted: Cow,) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	6.5kDa
Cellular localization	cytoplasmic Extracellular matrix Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TFF3: 51-80/94
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

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. This gene is expressed in goblet cells of the intestines and colon. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]

Subunit:

Monomer. Homodimer; disulfide-linked.

Subcellular Location:

Secreted, extracellular space, extracellular matrix, apical lamina.

Tissue Specificity:

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.

Similarity:

Contains 1 P-type (trefoil) domain.

**Product
Detail**

SWISS:

Q07654

Gene ID:

7033

Database links:

[Entrez Gene: 7033](#) Human

[Omim: 600633](#) Human

[SwissProt: Q07654](#) Human

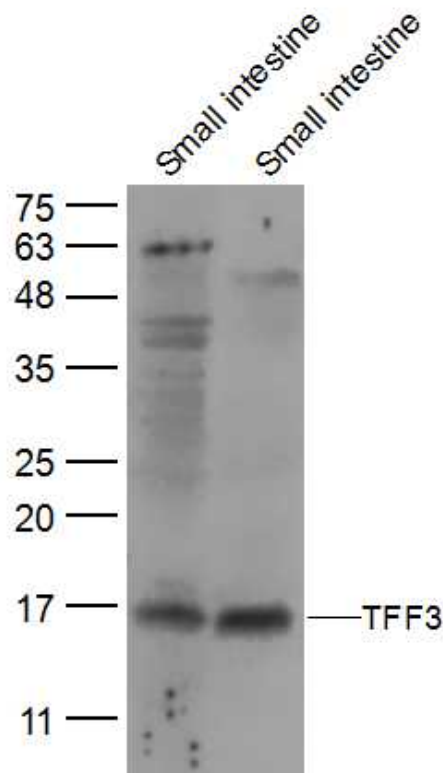
[Unigene: 82961](#) Human

三叶草肽III是三叶肽中结构独特的一类小分子肽,它对于胃黏膜保护及损伤后修复具有重要作用,它的作用机制复杂,通过与其受体作用机制及信号传导机制的研究,以加深其对胃黏膜保护机制的认识。在促进黏膜愈合的治疗上,三叶肽是一个新的思路。局部应用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。三叶肽研究可能对胃十二指肠溃疡和炎症、坏死性小肠结肠炎、放疗和化疗导致的黏膜炎带来新的治疗方法。

三叶草肽III与黏液 glycoprotein 相互作用,可诱导 epithelial cells 迁移, 参与信号传导机制, 调节胃酸及运动功能。

**Product
Picture**



Sample:

Small intestine (Mouse) Lysate at 40 ug

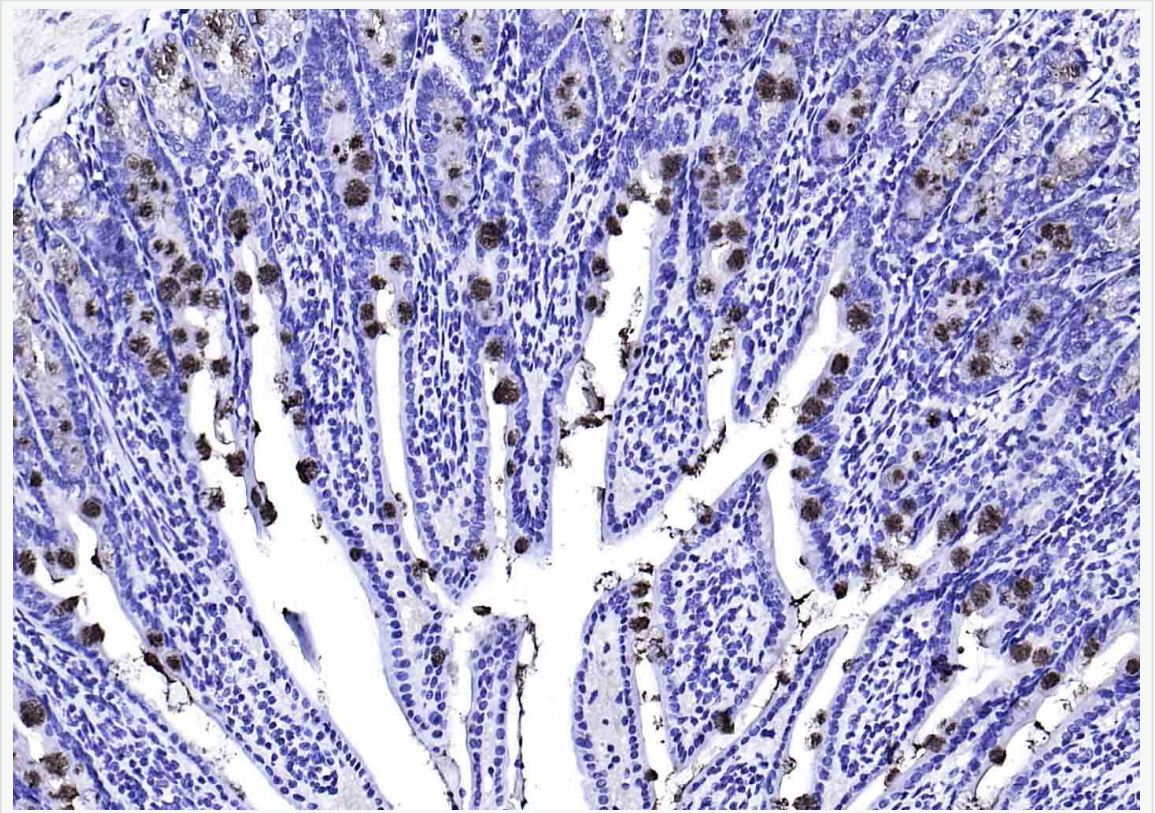
Small intestine (Rat) Lysate at 40 ug

Primary: Anti-TFF3 (SL0535R) at 1/300 dilution

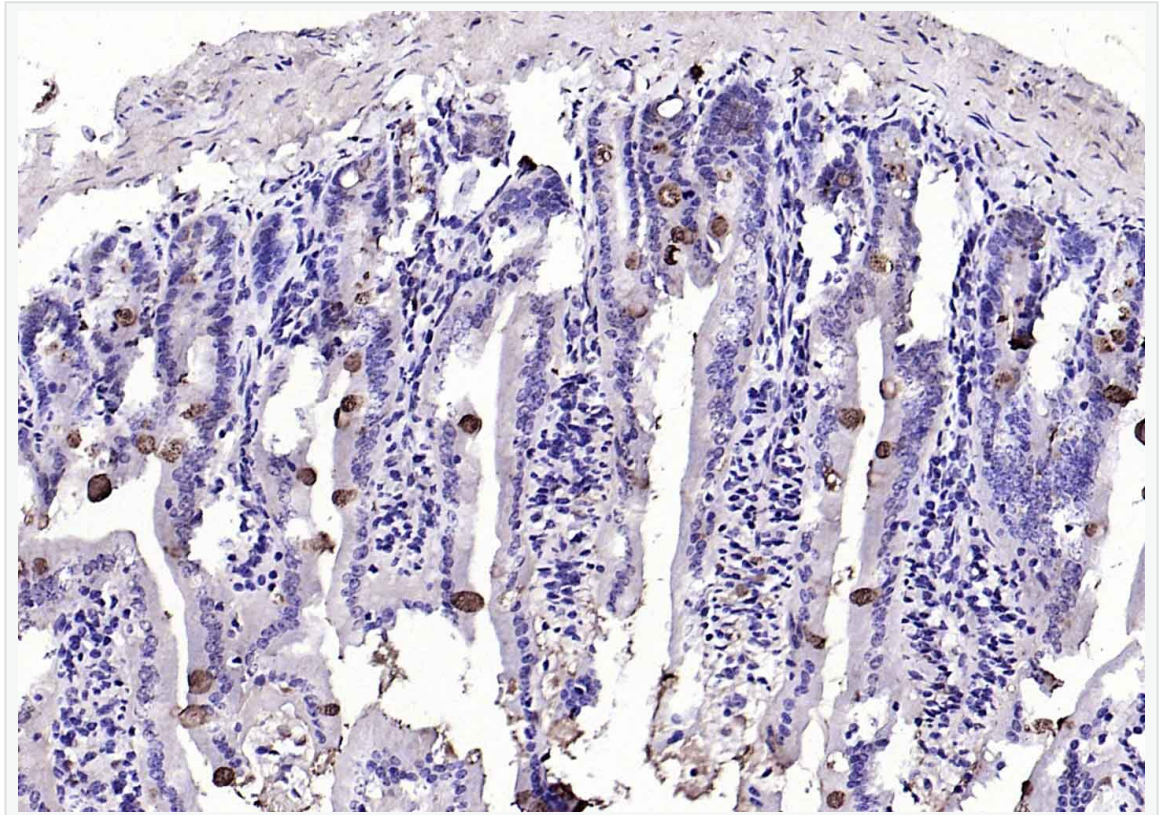
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 6.5 kD

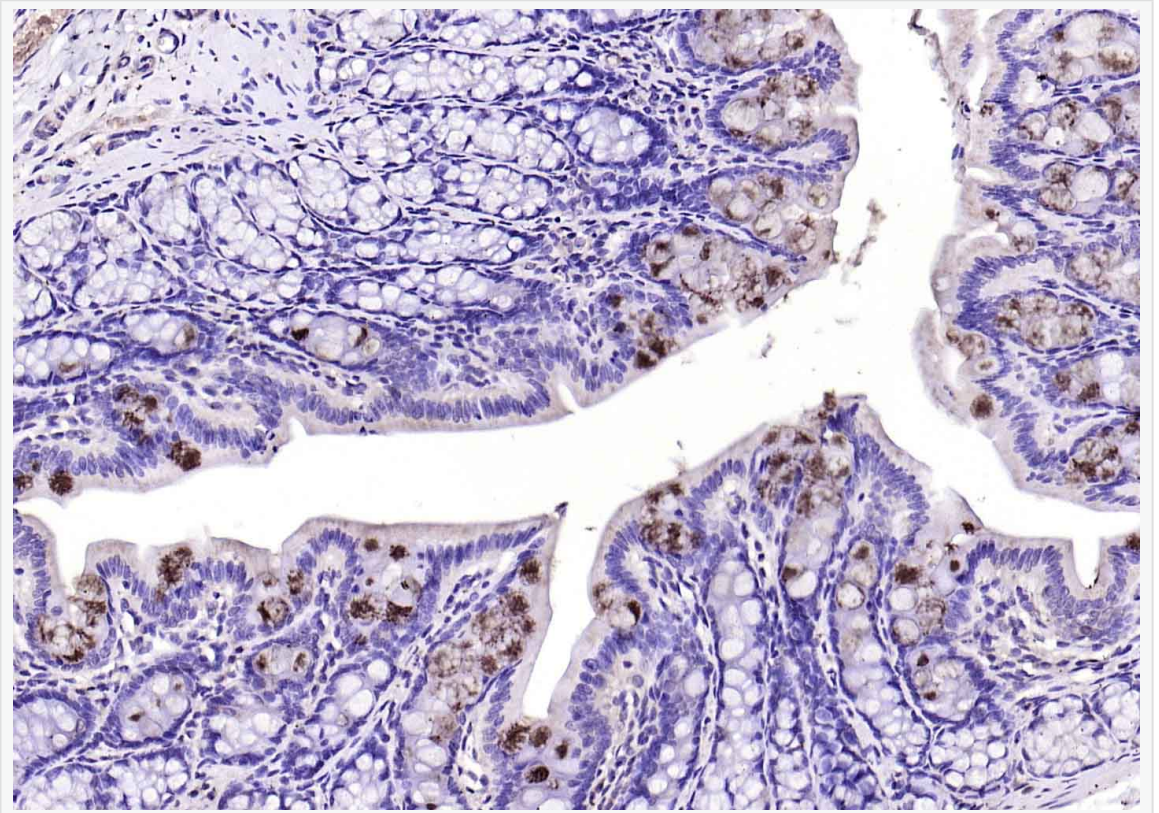
Observed band size: 16 kD



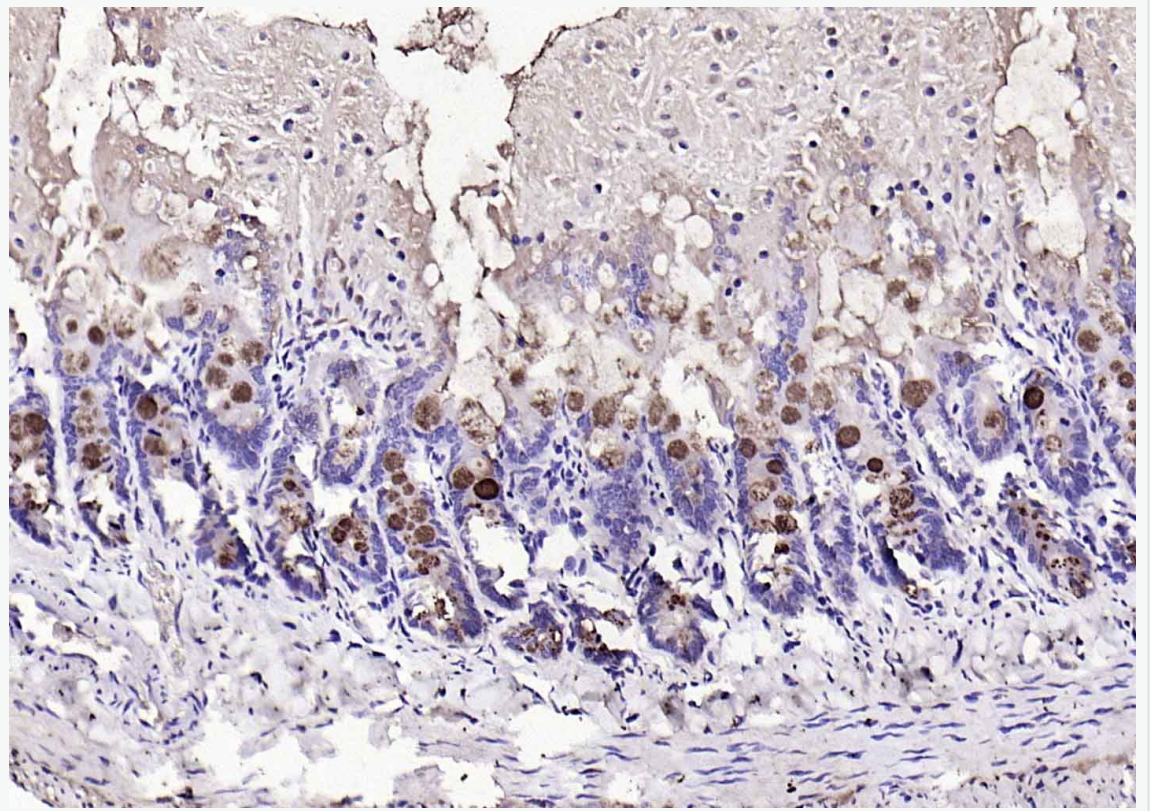
Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TFF3) Polyclonal Antibody, Unconjugated (SL0535R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



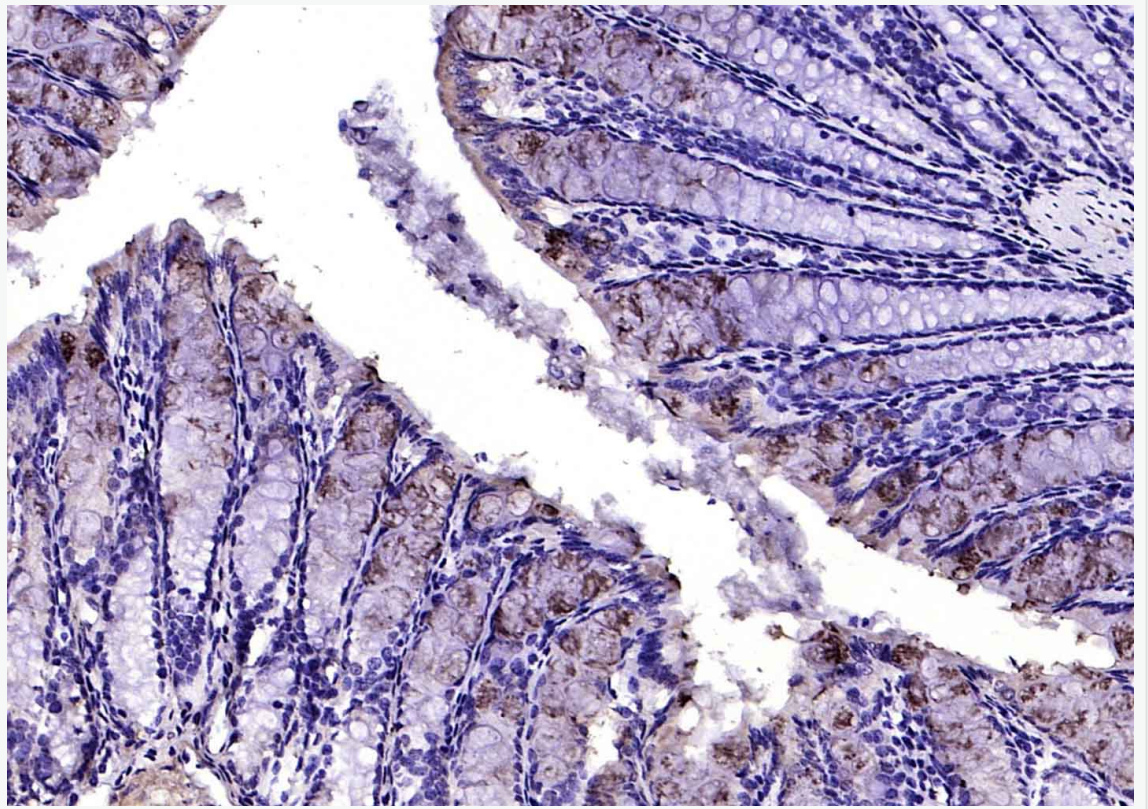
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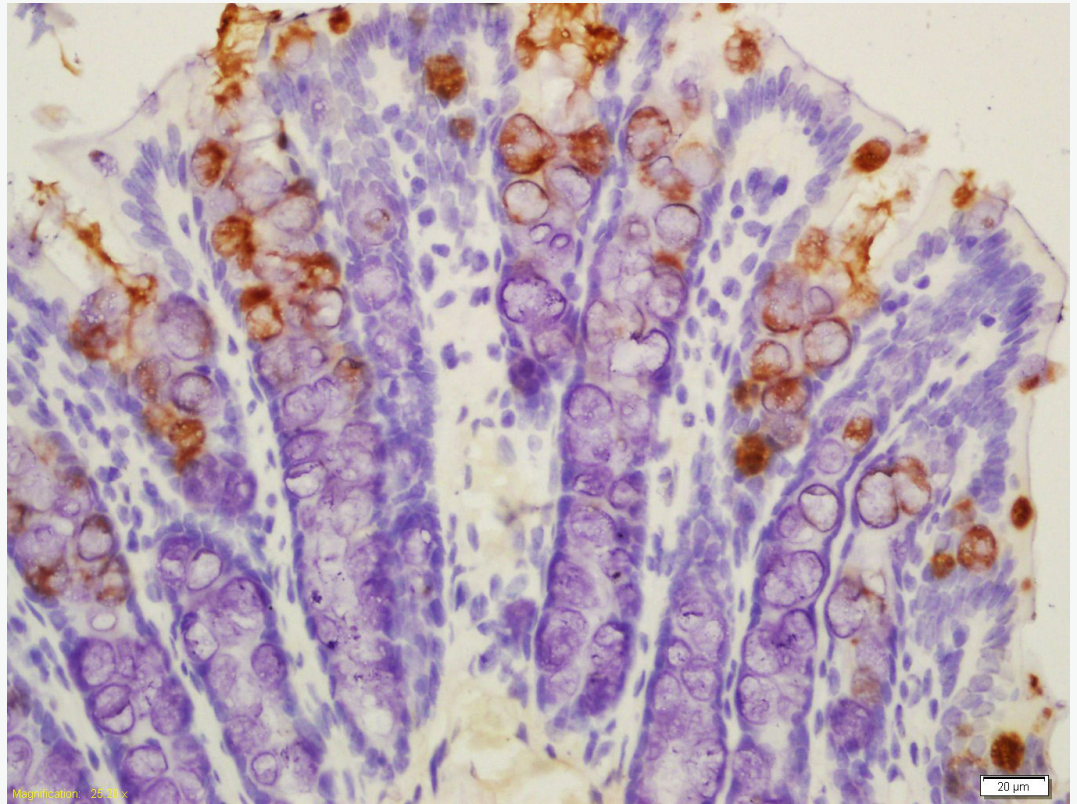
Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TFF3) Polyclonal Antibody, Unconjugated (SL0535R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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Paraformaldehyde-fixed, paraffin embedded (mouse colon); 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 (TFF3) Polyclonal Antibody, Unconjugated (SL0535R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal
goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-TFF3 Polyclonal Antibody, Unconjugated(SL0535R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining

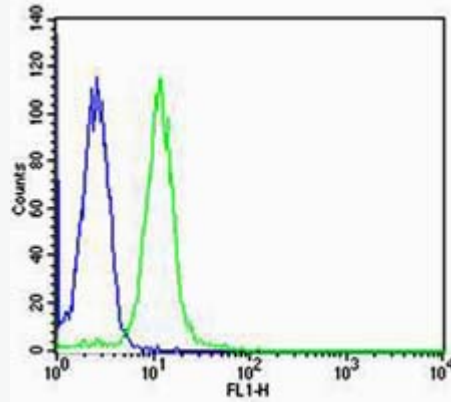


Tissue/cell: mouse small intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-TFF3 Polyclonal Antibody, Unconjugated(SL0535R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Expressed by goblet cells of small and large intestinal epithelia and also by the uterus.



Cell:HT-29

Concentration:1:100

Host/Isotype:Rabbit/IgG

Flow cytometric analysis of primary antibody (Cat#: SL0535R) on HT-29(green) compared with isotype control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG(H+L) secondary antibody .