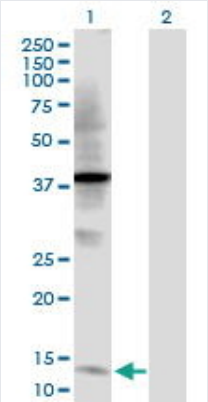
Trefoil Factor 2 (TFF2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Trefoil Factor 2 (TFF2), Polyclonal Antibody
Full Product Name	Trefoil Factor 2 (TFF2, SML1, Spasmolysin, Spasmolytic Polypeptide, SP) (Biotin)
Product Gene Name	anti-TFF2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TFF2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum after thawing and prior to removing the cap.
Molecular Weight	14,284 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (43766466..43771208, complement). Location: 21q22.3
OMIM	182590
3D Structure	ModBase 3D Structure for Q03403
Immunogen	Full length human TFF2, aa1-129 (NP_005414.1).
Immunogen Sequence	MGRRDAQLLAALLVLGLCALAGSEKPSPCQCSRLSPHNRTNCGFPGITSDQCFDNGCCFDSSVTGVPWCFHPLPKQESDQCVMEVSDRRNCGYPGISF
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TFF2 antibody	Antibodies; Trefoil Factor TFF
Applications Tested/Suitable for anti-TFF2 antibody	Western Blot (WB)
Application Notes for anti-TFF2 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-TFF2 antibody	Human spasmolytic polypeptide (HSP) is a trefoil peptide found prominently in the foveolar and surface epithelium, pyloric glands and mucous neck cel HSP in normal and uncharacterized tissues.
Other Notes	Small volumes of anti-TFF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TFF2 purchase	MBS6397107 is an antibody targeting TFF2. Also known as Trefoil Factor 2 (TFF2, SML1, Spasmolysin, Spasmolytic Polypeptide, SP) (Biotin). Reactiv



Western Blot (WB) of anti-TFF2 antibody
Western Blot analysis of TFF2 expression in transfected 293T cell line by TFF2 polyclonal antibody. Lane 1: TFF2 transfected lysate (14.3kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFF2. It may not necessarily be applicable to this product.

NCBI GI #	4885629
NCBI GeneID	7032
NCBI Accession #	NP_005414.1
UniProt Primary Accession #	Q03403
UniProt Secondary Accession #	Q15854
UniProt Related Accession #	Q03403
GenBank Nucleotide #	NM_005423.3
NCBI Official Full Name	trefoil factor 2
NCBI Official Synonym Full Names	trefoil factor 2
NCBI Official Symbol	TFF2
NCBI Official Synonym Symbols	SP; SML1
UniProt Protein Name	Trefoil factor 2
UniProt Synonym Protein Names	Spasmolysin; Spasmolytic polypeptide
Protein Family	Trefoil factor
UniProt Gene Name	TFF2
UniProt Synonym Gene Names	SML1; SP
UniProt Entry Name	TFF2_HUMAN

NCBI Protein Information	trefoil factor 2; spasmolysin; spasmolytic protein 1; spasmolytic polypeptide
NCBI Summary for TFF2	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]
UniProt Comments for TFF2	TFF2: 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. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 21q22.3 Cellular Component: extracellular space Molecular Function: protein binding; CXCR4 chemokine receptor binding Biological Process: negative regulation of inflammatory response; positive regulation of cell proliferation; digestion; calcium-mediated signaling; negative regulation of macrophage activation; regulation of cell migration
Research Articles on TFF2	**1.** Human gastric TFF2 peptide contains an N-linked fucosylated N,N'-diacetyllactosediamine (LacdiNAc) oligosaccharide
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