

Anti-TFF1 Antibody

Catalog # ABO11001

Product Information

Application	WB, IHC-P
Primary Accession	Q08423
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Trefoil factor 1(TFF1) detection. Tested with WB, IHC-P in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	21784
Other Names	Trefoil factor 1, Protein pS2, Tff1, Bcei, Ps2
Calculated MW	9670
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	Strong expression found in normal gastric mucosa. Not detected in the small or large intestine nor in normal mammary gland.
Source	Eukaryota
Protein Name	Trefoil factor 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse Estrogen Inducible Protein pS2(59-72aa CCFDDSVRGFPWCF), identical to the related rat sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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Protein Information

Name	Tff1
Synonyms	Bcei, Ps2
Function	Stabilizer of the mucous gel overlying the gastrointestinal mucosa that provides a physical barrier against various noxious agents.
Cellular Location	Secreted.
Tissue Location	Strong expression found in normal gastric mucosa. Not detected in the small or large intestine nor in normal mammary gland

Background

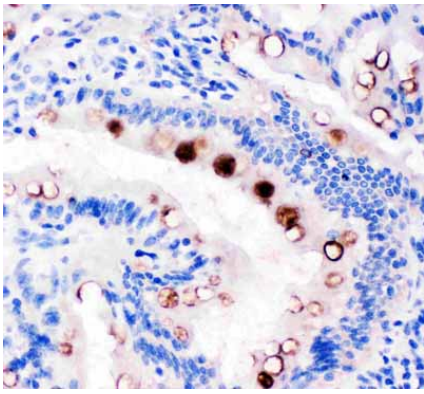
TFF1 (Trefoil factor 1), also known as pS2, is a protein that in humans is encoded by the TFF1 gene. Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed 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. It is found that TFF1 in normal human urine inhibited the growth of calcium oxalate crystals. Urinary TFF1 showed an inhibitory potency similar to that of nephrocalcin, and inhibition was dose dependent and inhibited by TFF1 antisera, particularly by antisera directed to the TFF1 C terminus. Concentrations and relative amounts of TFF1 in the urine of patients with idiopathic calcium oxalate kidney stones were significantly less than those found in controls. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21.

Images



Anti-Estrogen Inducible Protein pS2 antibody, ABO11001,
Western blottingWB: Rat Stomach Tissue Lysate

Anti-Estrogen Inducible Protein pS2 antibody, ABO11001,
IHC(P)IHC(P): Rat Intestine Tissue



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