

anti-Human TFF1 Polyclonal Antibody | anti-TFF1 antibody

Anti-TFF1 Antibody

CATALOG # AAA46233	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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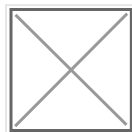
PRODUCT SYNONYMS

TFF1; Polyclonal Antibody; Anti-TFF1 Antibody; Trefoil factor 1; BCEI; Breast cancer estrogen inducible protein; Breast cancer estrogen inducible sequence; Breast cancer estrogen-inducible protein; D21S21; Gastrointestinal trefoil protein; Gastrointestinal trefoil protein pS2; hP1.A; HP1A; HPS 2; HPS2; pNR 2; PNR-2; pNR2; Polypeptide P1.A; Protein pS2; PS 2; pS2; pS2 protein; TFF 1; TFF1_HUMAN; Trefoil factor 1 antibody; trefoil factor 1; anti-TFF1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	84
Applicable Applications for anti-TFF1 antibody	ELISA, WB (Western Blot)
Immunogen	E Coli-derived human TFF1 recombinant protein (Position: E25-F84). Human TFF1 shares 66.7% and 69% amino acid (aa) sequence identity with mouse and rat TFF1, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- TFF1 Picoband antibody, AAA46233, Western blottingAll lanes: Anti TFF1 (AAA46233)
at 0.5ug/mlWB: HELA Whole Cell Lysate at 40ugPredicted bind size: 12KDObserved bind
size: 12KD

ADDITIONAL INFORMATION

Related Product Information for anti-TFF1 antibody	<p>Description: Rabbit IgG polyclonal antibody for Trefoil factor 1(TFF1) detection. Tested with WB, ELISA in Human.</p> <p>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.</p>
References	<p>1. Chutipongtane, S., Nakagawa, Y., Sritippayawan, S., Pittayamateekul, J., Parichatikanond, P., Westley, B. R., May, F. E. B., Malasit, P., Thongboonkerd, V. Identification of human urinary trefoil factor 1 as a novel calcium oxalate crystal growth inhibitor. J. Clin. Invest. 115: 3613-3622, 2005. 2. Hanby, A. M., Poulsom, R., Singh, S., Elia, G., Jeffery, R. E., Wright, N. A. Spasmolytic polypeptide is a major antral peptide: distribution of the trefoil peptides human spasmolytic polypeptide and pS2 in the stomach. Gastroenterology 105: 1110-1116, 1993. 3. Roberts, M., Wallace, J., Jeltsch, J.-M., Berry, M. The 5-prime flanking region of the human pS2 gene mediates its transcriptional activation by estrogen in MCF-7 cells. Biochem. Biophys. Res. Commun. 151: 306-313, 1988.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507451
NCBI GeneID	7031
NCBI Accession #	NP_003216.1
NCBI GenBank Nucleotide #	NM_003225.2
UniProt Accession #	P04155
Molecular Weight	9,150 Da
NCBI Official Full Name	trefoil factor 1
NCBI Official Synonym Full Names	trefoil factor 1
NCBI Official Symbol	TFF1
NCBI Official Synonym Symbols	pS2; BCEI; HPS2; HP1.A; pNR-2; D21S21
NCBI Protein Information	trefoil factor 1
UniProt Protein Name	Trefoil factor 1
UniProt Gene Name	TFF1
UniProt Synonym Gene Names	BCEI; PS2; hP1.A
UniProt Entry Name	TFF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.