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TFF3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TFF3.
Catalog # AT4223a

Specification

TFF3 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q07654
Other Accession	BC017859
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**8641**

TFF3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 7033

Other Names
Trefoil factor 3, Intestinal trefoil factor, hITF, Polypeptide P1B, hP1B, TFF3, ITF, TFI

Target/Specificity
TFF3 (AAH17859.1, 15 a.a. ~ 73 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
TFF3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

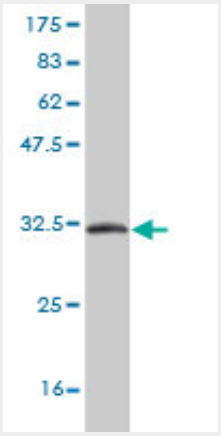
TFF3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

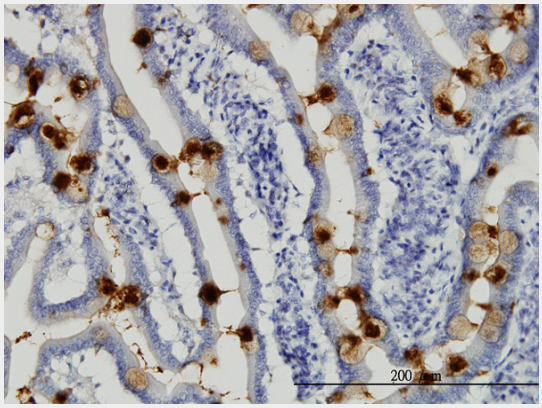
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

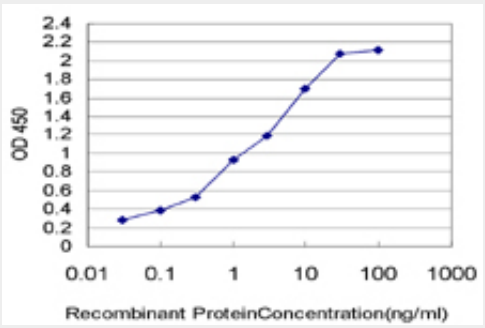
TFF3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.23 KDa) .



Immunoperoxidase of monoclonal antibody to TFF3 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged TFF3 is approximately 0.03ng/ml as a capture antibody.

TFF3 Antibody (monoclonal) (M01) - Background

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.

TFF3 Antibody (monoclonal) (M01) - References

1.Circulating Serum Trefoil Factor 3 (TFF3) Is Dramatically Increased in Chronic Kidney Disease.Du TY, Luo HM, Qin HC, Wang F, Wang Q, Xiang Y, Zhang YPLoS One. 2013 Nov 25;8(11):e80271. doi: 10.1371/journal.pone.0080271.2.Reproducibility of histological cell type in high-grade endometrial carcinoma.Han G, Sidhu D, Duggan MA, Arseneau J, Cesari M, Clement PB, Ewanowich CA, Kalloger SE, Kobel MMod Pathol. 2013 Jun 28. doi: 10.1038/modpathol.2013.102.3.Fresh and cryopreserved amniotic membrane secrete the trefoil factor family peptide 3 that is well known to promote wound healing.Schulze U, Hampel U, Sel S, Goecke TW, Thale V, Garreis F, Paulsen F.Histochem Cell Biol. 2012 Apr 3. [Epub ahead of print]4.Profiling of differentially expressed proteins in stage IV Colorectal cancers with good and poor outcomes.Kim HJ, Kang UB, Lee H, Jung JH, Lee ST, Yu MH, Kim H, Lee C.J Proteomics. 2011 Dec 10.5.Genetic predisposition directs breast cancer phenotype by dictating progenitor cell fate.Proia TA, Keller PJ, Gupta PB, Klebba I, Jones AD, Sedic M, Gilmore H, Tung N, Naber SP, Schnitt S, Lander ES, Kuperwasser C.Cell Stem Cell. 2011 Feb 4;8(2):149-63.6.Identification of serum biomarkers for colorectal cancer metastasis using a differential secretome approach.Xue H, Lu B, Zhang J, Wu M, Huang Q, Wu Q, Sheng H, Wu D, Hu J, Lai M.J Proteome Res. 2010 Jan;9(1):545-55.7.Trefoil factor 3: a novel serum marker identified by gene expression profiling in high-grade endometrial carcinomas.Bignotti E, Ravaggi A, Tassi RA, Calza S, Rossi E, Falchetti M, Romani C, Bandiera E, Odicino FE, Pecorelli S, Santin AD.Br J Cancer. 2008 Sep 2;99(5):768-73.