

For Research Use Only

TFF1 Polyclonal antibody

Catalog Number: 13734-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

13734-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4541

GenBank Accession Number:

BC032811

GeneID (NCBI):

7031

UNIPROT ID:

P04155

Full Name:

trefoil factor 1

Calculated MW:

84 aa, 9 kDa

Observed MW:

9-12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, human kidney tissue, mouse stomach tissue

IHC : human stomach cancer tissue, human colon cancer tissue, human ovary tumor tissue, human stomach tissue, mouse stomach tissue, rat stomach tissue

IF/ICC : MCF-7 cells,

Background Information

TFF1 (Trefoil factor 1, formerly known as pS2) is a small-secreted protein that belongs to the family of trefoil peptides, and characterized by the presence of one to six cysteine-rich P domains. TFF1 expression is frequently lost in gastric carcinoma, probably through mechanism of DNA methylation, and it is therefore considered as a tumor suppressor gene. The function of TFF1 was first controversially considered as an oncogene in breast cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Shan Zhao	26617749	Int J Clin Exp Pathol	WB,IHC
Bijun Kang	34668954	Aesthet Surg J	WB
Chiara Spadazzi	33249323	Bone	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

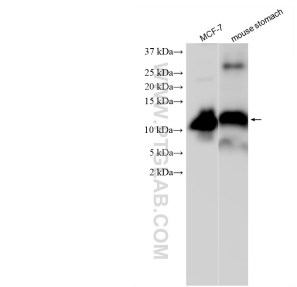
T: 4006900926

E: Proteintech-CN@ptglab.com

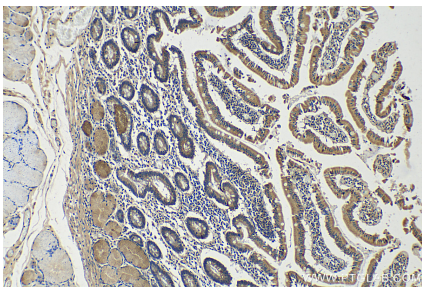
W: ptgcn.com

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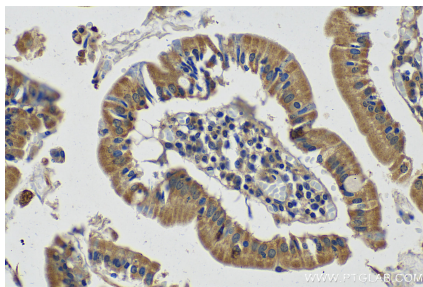
Selected Validation Data



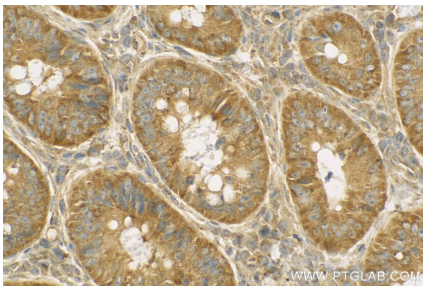
Various lysates were subjected to SDS PAGE followed by western blot with 13734-1-AP (TFF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



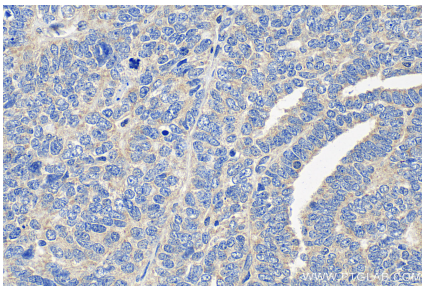
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13734-1-AP (Trefoil factor 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



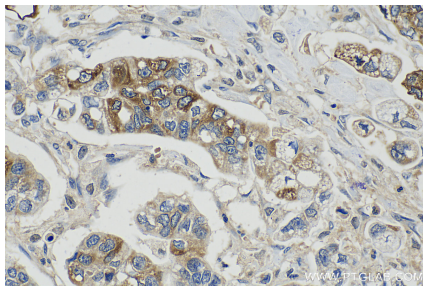
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13734-1-AP (Trefoil factor 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



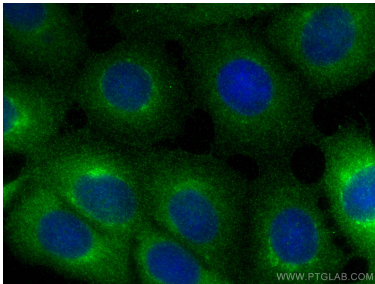
Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 13734-1-AP (Trefoil factor 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



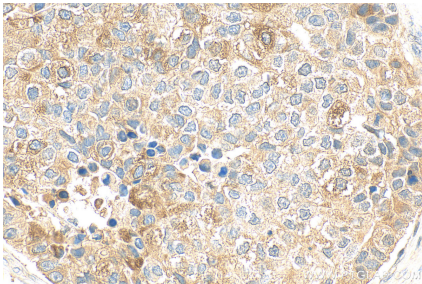
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 13734-1-AP (Trefoil factor 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13734-1-AP (Trefoil factor 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Trefoil factor 1 antibody (13734-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13734-1-AP (TFF1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).