ST14 Polyclonal antibody

Catalog Number:27176-1-AP   **1 Publications**

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Basic Information

Catalog Number:
27176-1-AP

Size:
150ul , Concentration: 650 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26007

GenBank Accession Number:
BC030532

GeneID (NCBI):
6768

UNIPROT ID:
Q9Y5Y6

Full Name:
suppression of tumorigenicity 14 (colon carcinoma)

Calculated MW:
46 kDa

Observed MW:
100 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:100-1:400

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF, IHC, CoIP

Species Specificity:
human

Cited Species:
human

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,

IHC : human colon tissue, human stomach tissue

Background Information

Suppression of tumorigenicity 14(ST14), is an epithelial-derived, integral membrane serine protease. ST14 forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. ST14 can cleave and activate hepatocyte growth factor/scattering factor, and uPA, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Nie	38468232	BMC Cancer	WB,IHC,IF,CoIP

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

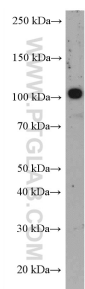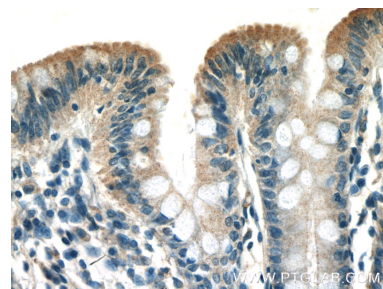***** 20ul sizes contain 0.1% BSA**

Selected Validation Data

MCF-7 cells were subjected to SDS PAGE followed by western blot with 27176-1-AP (ST14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
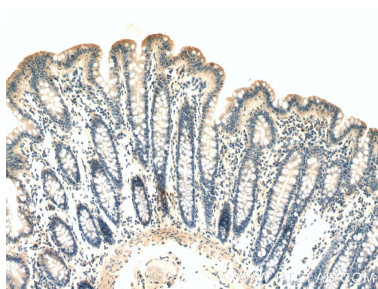
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 27176-1-AP (ST14 antibody) at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 27176-1-AP (ST14 antibody) at dilution of 1:200 (under 40x lens).