

For Research Use Only

# ST14 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 27176-1-AP	<b>GenBank Accession Number:</b> BC030532	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 650 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6768	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y5Y6	
<b>Isotype:</b> IgG	<b>Full Name:</b> suppression of tumorigenicity 14 (colon carcinoma)	
<b>Immunogen Catalog Number:</b> AG26007	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: MCF-7 cells, IHC: human colon tissue, human stomach tissue
<b>Cited Applications:</b> WB, IHC, IF, ColP	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

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

## 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, ColP

## Storage

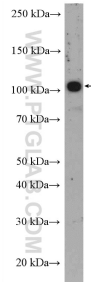
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

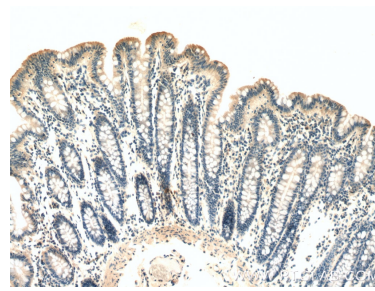
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

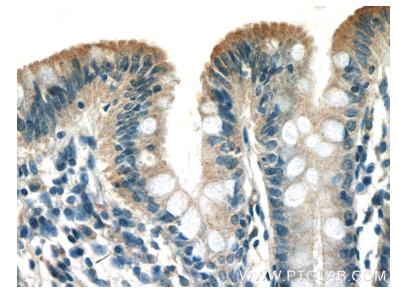
## Selected Validation Data



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).