

For Research Use Only

# MUC4 Polyclonal antibody

Catalog Number: 28703-1-AP



## Basic Information

<b>Catalog Number:</b> 28703-1-AP	<b>GenBank Accession Number:</b> NM_018406	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 ug/ml	<b>GeneID (NCBI):</b> 4585	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99102	
<b>Isotype:</b> IgG	<b>Full Name:</b> mucin 4, cell surface associated	
<b>Immunogen Catalog Number:</b> AG29799	<b>Calculated MW:</b> 231 kDa <b>Observed MW:</b> 231 kDa, 113 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, MCF-7 cells
<b>Species Specificity:</b> human	<b>IHC :</b> human prostate cancer tissue, human breast cancer tissue, human colon tissue, human colon cancer tissue, human lung cancer tissue, human pancreas cancer tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MUC4, also named as HSA276359, ASGP, MUC-4, testis mucin and mucin-4 is a high molecular weight transmembrane mucin that is overexpressed in many carcinomas and is a risk factor associated with a poor prognosis. MUC4 have a key role in the progression of pancreatic cancer. MUC4 helps in the docking of tumor cells on the endothelial surface.

## 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

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

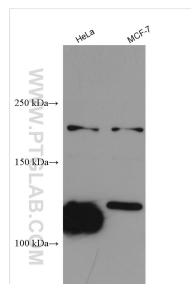
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

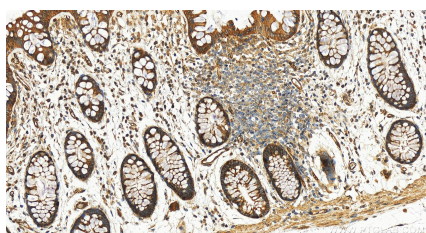
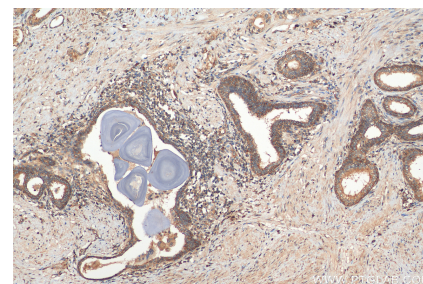
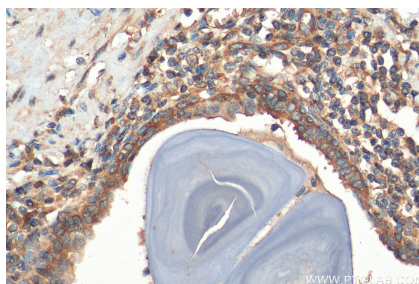
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28703-1-AP (MUC4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 28703-1-AP (MUC4 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).