

For Research Use Only

# MUC1/CA15-3 Monoclonal antibody

Catalog Number: 60749-1-Ig



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
60749-1-Ig	BC120975	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
150ul , Concentration: 1000 ug/ml by Nanodrop;	4582	1D5D11
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P15941	IHC 1:1600-1:6400
Isotype:	Full Name:	
IgG1	mucin 1, cell surface associated	
Immunogen Catalog Number:	Calculated MW:	
AG17660	1264 aa, 123 kDa	

## Applications

Tested Applications:	Positive Controls:
IHC, ELISA	IHC : human rectal cancer tissue, human stomach cancer tissue
Species Specificity:	
human	
<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

MUC1 is a type I transmembrane glycoprotein expressed by various epithelial cells of the female reproductive tract, lung, breast, kidney, stomach, and pancreas.. Among the known mucins, MUC1 is best studied and plays crucial roles in regulating many cellular properties, including cell proliferation, apoptosis, adhesion, and invasion. MUC1 is overexpressed in a wide range of human epithelial malignancies.

## Storage

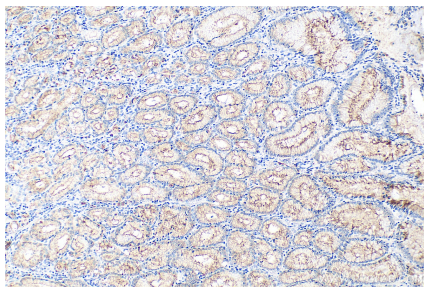
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

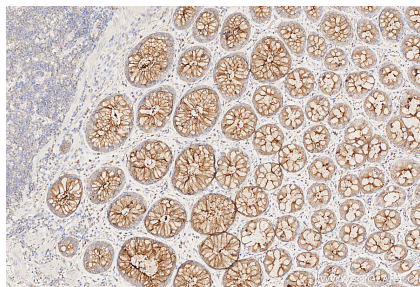
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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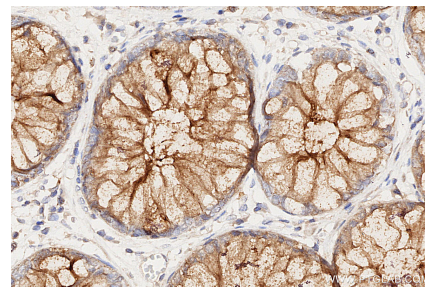
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 60749-1-Ig (MUC1/CA15-3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 60749-1-Ig (MUC1/CA15-3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 60749-1-Ig (CA15-3,MUC1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).