

For Research Use Only

# MUC1/CA15-3 N-terminal Polyclonal antibody



Catalog Number: 19976-1-AP

Featured Product

11 Publications

## Basic Information

### Catalog Number:

19976-1-AP

### Size:

150ul, Concentration: 350 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

J05582

### GeneID (NCBI):

4582

### Full Name:

mucin 1, cell surface associated

### Calculated MW:

122 kDa

### Observed MW:

122 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

ELISA

### Cited Applications:

ColP, IHC, WB

### Species Specificity:

human

### Cited Species:

human

## Background Information

MUC1 is a type I transmembrane glycoprotein expressed by various epithelial cells of female reproductive tract, lung, breast, kidney, stomach, and pancreas. MUC1 is transcribed as a large precursor gene product, and upon translation, is cleaved in the endoplasmic reticulum, yielding two subunits: the large extracellular N-terminal subunit (MUC1-N, about 120-200 kDa) and the small cytoplasmic C-terminal subunit (MUC1-C, about 23-30 kDa). 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. This antibody was raised against the N-terminal region of human MUC1, thus it recognizes the 120 kDa extracellular MUC1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhi-Hong Zong	31666098	J Exp Clin Cancer Res	WB
Gang Yang	33674273	Clin Cancer Res	IHC
Cheng Li	29925391	Reprod Biol Endocrinol	WB

## 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:

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## Selected Validation Data