

For Research Use Only

# MUC8 Polyclonal antibody

Catalog Number: 55489-1-AP

1 Publications



## Basic Information

### Catalog Number:

55489-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 473 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

U14383

### GeneID (NCBI):

4590

### Full Name:

mucin 8

### Calculated MW:

33 kDa

### Observed MW:

33-38 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### 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 : A549 cells, HeLa cells

IHC : human lung cancer tissue, human lung tissue

IF/ICC : A549 cells,

## Background Information

Mucin glycoproteins (Mucins) are major constituents of the glycocalyx that covers mucosal epithelium. MUC8 is one of the major mucins in the ethmoid mucosa and is upregulated by chronic inflammation. TNF $\alpha$ , IL-1 $\beta$  and a combination of both can significantly increase Mucin 8 mRNA levels, suggesting that a mixture of inflammatory mediators can synergistically increase secretion of mucin in human nasal epithelium. This antibody is specific to MUC8.

## Notable Publications

Author	Pubmed ID	Journal	Application
Martin Schicht	34943565	Diagnostics (Basel)	IHC, 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

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

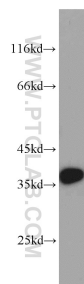
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

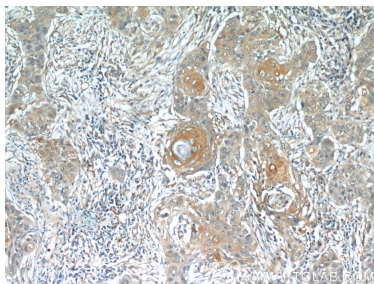
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

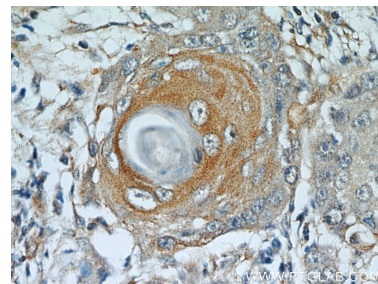
## Selected Validation Data



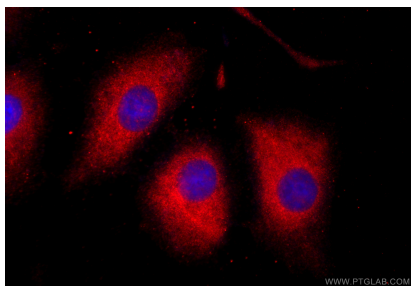
A549 cells were subjected to SDS PAGE followed by western blot with 55489-1-AP (MUC8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 55489-1-AP (MUC8 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 55489-1-AP (MUC8 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using MUC8 antibody (55489-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).