

For Research Use Only

# MUC8 Polyclonal antibody

Catalog Number: 55489-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 55489-1-AP	<b>GenBank Accession Number:</b> U14383	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 473 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4590	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> mucin 8	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 33-38 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB: A549 cells, HeLa cells IHC: human lung cancer tissue, human lung tissue IF: A549 cells,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> 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

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

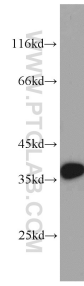
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

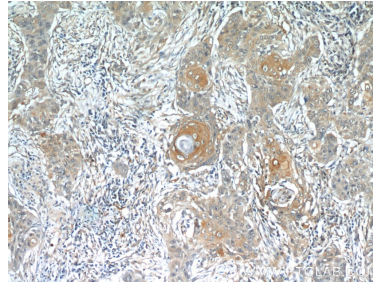
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

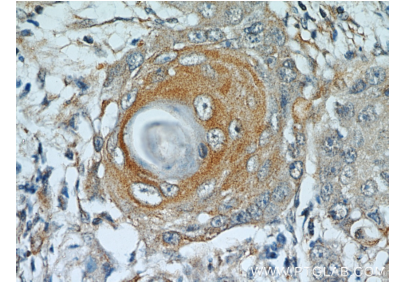
## Selected Validation Data



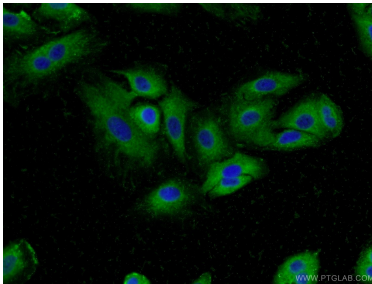
A549 cells were subjected to SDS PAGE followed by western blot with 55489-1-AP (MUC8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 A549 cells using 55489-1-AP (MUC8 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).