

For Research Use Only

MUC8 Polyclonal antibody

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



Basic Information

Catalog Number: 55489-1-AP	GenBank Accession Number: U14383	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 4590	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: mucin 8	
Isotype: IgG	Calculated MW: 33 kDa	
	Observed MW: 33-38 kDa	

Applications

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

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 α , IL-1 β 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

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

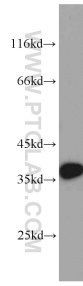
T: 4006900926

E: Proteintech-CN@ptglab.com

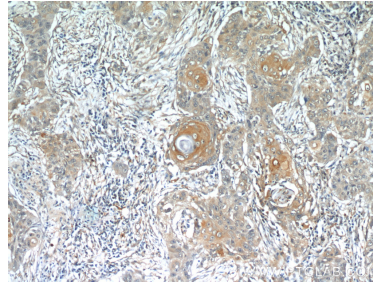
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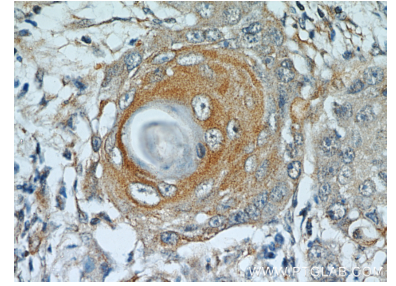
Selected Validation Data



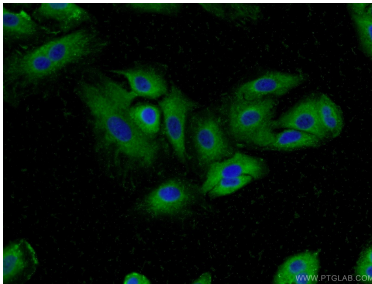
A549 cells were subjected to SDS PAGE followed by western blot with 55489-1-AP (MUC8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).