For Research Use Only

MUC8 Polyclonal antibody

Catalog Number:55489-1-AP 1 Publications

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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. TNFa, IL-1b 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

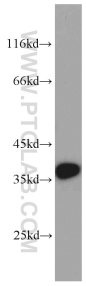
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

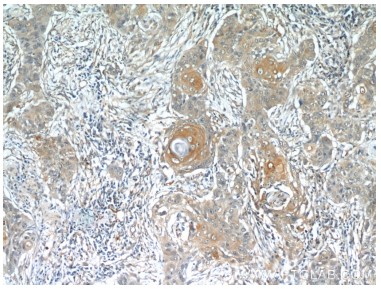
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

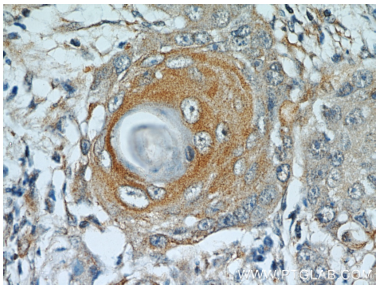
Selected Validation Data



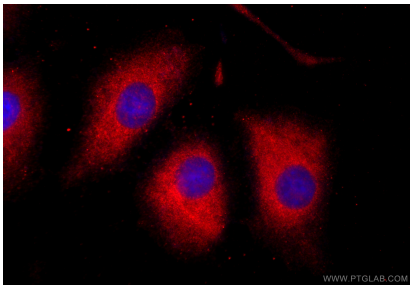
A549 cells were subjected to SDS PAGE followed by western blot with 55489-1-AP (MUC8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 (-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).