

For Research Use Only

Uteroglobin/CC10 Polyclonal antibody

Catalog Number: 26909-1-AP

3 Publications



Basic Information

Catalog Number: 26909-1-AP	GenBank Accession Number: BC004481	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 7356	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P11684	
Isotype: IgG	Full Name: secretoglobin, family 1A, member 1 (uteroglobin)	
Immunogen Catalog Number: AG25530	Calculated MW: 10 kDa	
	Observed MW: 9 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : rat lung tissue, IHC : human lung tissue, mouse lung tissue IF/ICC : A549 cells,
Cited Applications: IHC, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	

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

Uteroglobin, also known as CC10, is a member of the secretoglobin family of small secreted proteins. It is produced by the nonciliated, nonmucous, secretory epithelial clara cells of the pulmonary airways, was first identified in lung lavage by Singh and colleagues. It has been implicated in numerous functions including anti-inflammation, inhibition of phospholipase A2 and the sequestering of hydrophobic ligands. Defects in this gene are associated with a susceptibility to asthma.

Notable Publications

Author	Pubmed ID	Journal	Application
Clarissa Clifton	36519134	Front Cell Infect Microbiol	FC
Justine Mathé	35173036	J Immunol	IF
Jun Wang	29732364	Front Pediatr	IHC

Storage

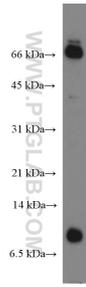
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

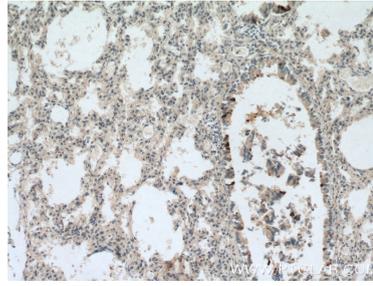
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

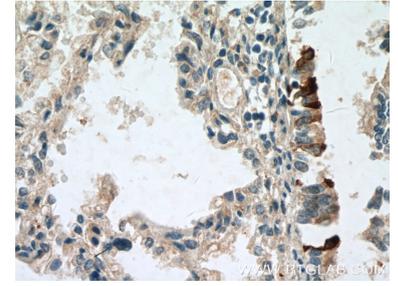
Selected Validation Data



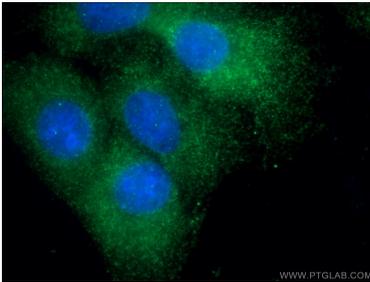
rat lung tissue were subjected to SDS PAGE followed by western blot with 26909-1-AP (Uteroglobin Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



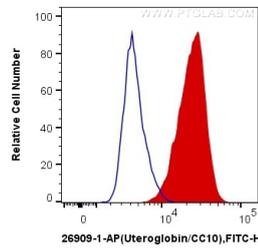
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 26909-1-AP (Uteroglobin Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 26909-1-AP (Uteroglobin Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 26909-1-AP (Uteroglobin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



1×10^6 A549 cells were intracellularly stained with 0.4 ug Anti-Human Uteroglobin/CC10 (26909-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).