

For Research Use Only

# Uteroglobulin/CC10 Polyclonal antibody



Catalog Number: 26909-1-AP

3 Publications

## Basic Information

<b>Catalog Number:</b> 26909-1-AP	<b>GenBank Accession Number:</b> BC004481	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 7356	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11684	
<b>Isotype:</b> IgG	<b>Full Name:</b> secretoglobin, family 1A, member 1 (uteroglobulin)	
<b>Immunogen Catalog Number:</b> AG25530	<b>Calculated MW:</b> 10 kDa	
	<b>Observed MW:</b> 9 kDa	

## Applications

<b>Tested Applications:</b> FC, IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : rat lung tissue, IHC : human lung tissue, mouse lung tissue IF : A549 cells,
<b>Cited Applications:</b> IF, FC, IHC	
<b>Species Specificity:</b> human, rat, mouse	
<b>Cited Species:</b> human, rat, mouse	

**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

Uteroglobulin, also known as CC10, is a member of the secretoglobulin 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

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

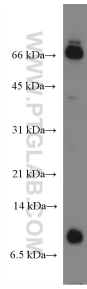
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

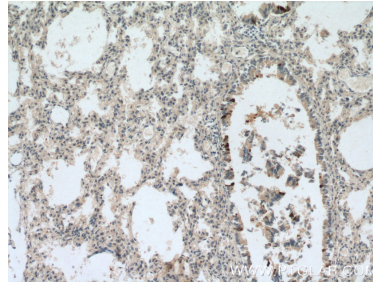
W: [ptgcn.com](http://ptgcn.com)

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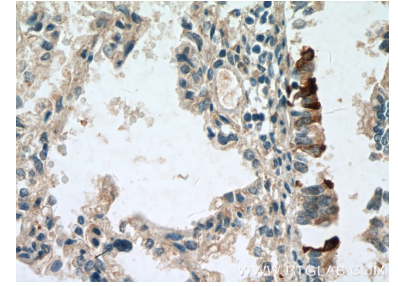
## Selected Validation Data



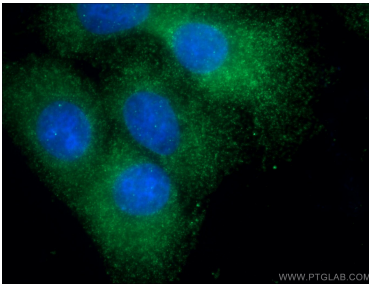
rat lung tissue were subjected to SDS PAGE followed by western blot with 26909-1-AP (Uteroglobin Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



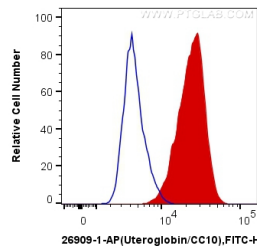
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 26909-1-AP (Uteroglobin Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10<sup>6</sup> A549 cells were intracellularly stained with 0.4 ug Anti-Human Uteroglobin/CC10 (26909-1-AP) and CoraLite®488-Conjugated AffiniPure 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).