

For Research Use Only

# Uteroglobulin/CC10 Polyclonal antibody



Catalog Number: 10490-1-AP

18 Publications

## Basic Information

<b>Catalog Number:</b> 10490-1-AP	<b>GenBank Accession Number:</b> BC004481	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7356	<b>Recommended Dilutions:</b> IHC 1:2000-1:8000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> secretoglobin, family 1A, member 1 (uteroglobin)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 10 kDa	
<b>Immunogen Catalog Number:</b> AG0758		

## Applications

**Tested Applications:**  
FC (Intra), IF, IHC, ELISA

**Cited Applications:**  
FC, IF, IHC, IP, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse, bovine

**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:**

**IHC:** mouse lung tissue, human lung cancer tissue, rat lung tissue

**IF:** mouse lung tissue, A549 cells

## 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
Aibin Liu	32991738	J Pathol	IHC
Vincent Manna	34585152	STAR Protoc	IF
Akina Kawara	33020583	Sci Rep	IHC

## Storage

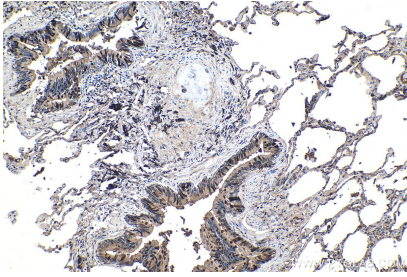
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

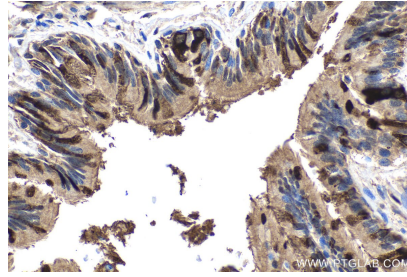
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

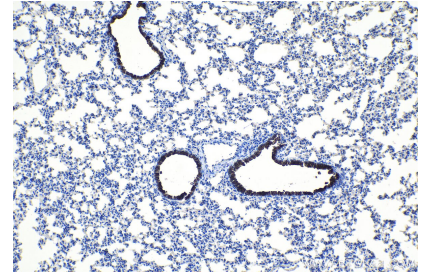
## Selected Validation Data



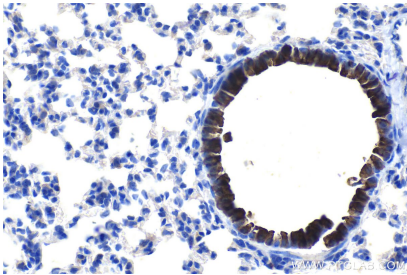
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



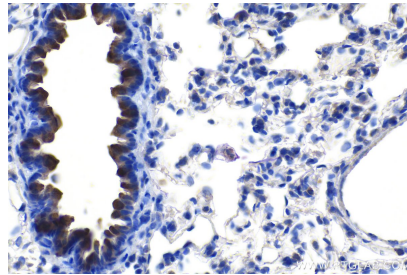
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



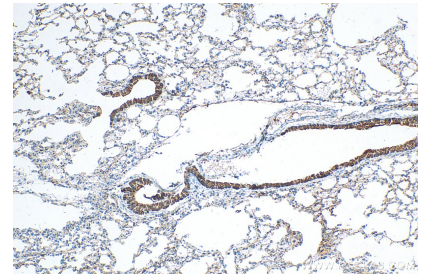
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



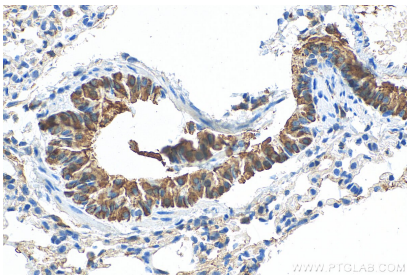
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



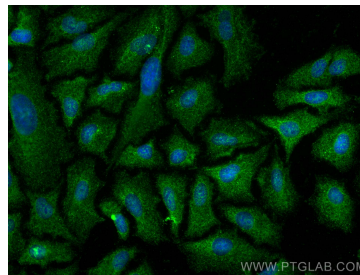
Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



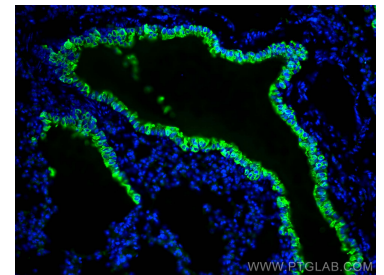
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



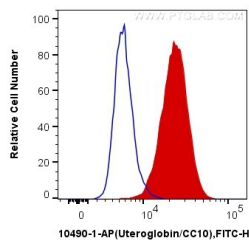
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Uteroglobin/CC10 antibody (10490-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse lung tissue using Uteroglobin/CC10 antibody (10490-1-AP) at dilution of 1:200 and Coralite@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 (10490-1-AP) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).