

For Research Use Only

Uteroglobin/CC10 Polyclonal antibody

Catalog Number: 10490-1-AP

22 Publications



Basic Information

Catalog Number:

10490-1-AP

Concentration:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0758

GenBank Accession Number:

BC004481

GeneID (NCBI):

7356

UNIPROT ID:

P11684

Full Name:

secretoglobin, family 1A, member 1
(uteroglobin)

Calculated MW:

10 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:2000-1:8000

IF-P 1:50-1:500

Applications

Tested Applications:

IHC, IF-P, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, IP

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-P: mouse lung tissue,

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
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

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

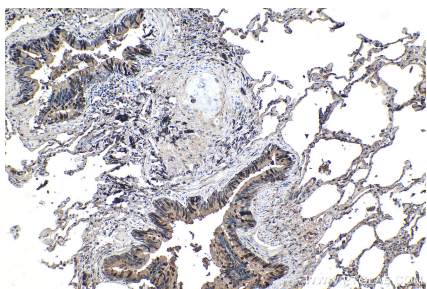
T: 4006900926

E: Proteintech-CN@ptglab.com

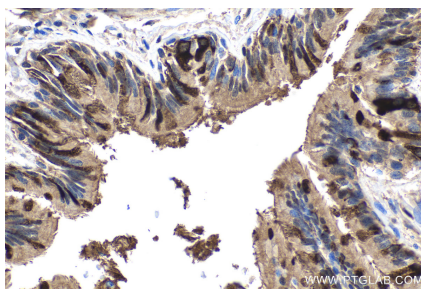
W: ptgcn.com

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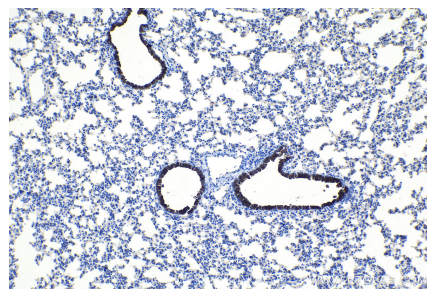
Selected Validation Data



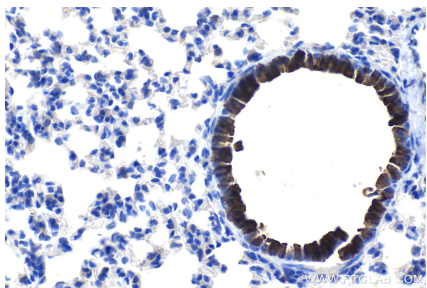
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



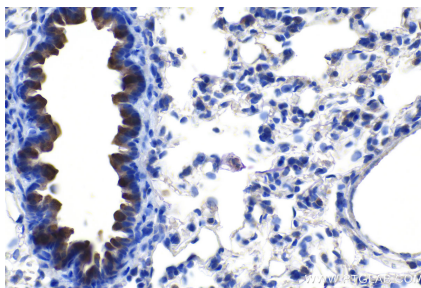
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



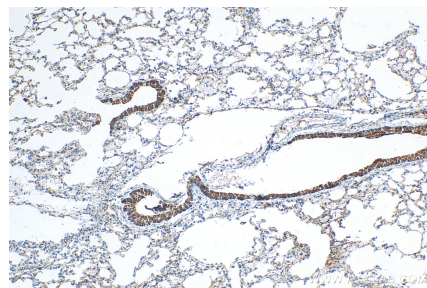
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



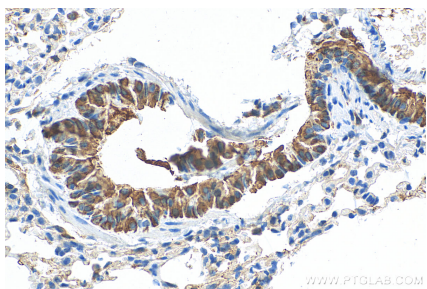
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



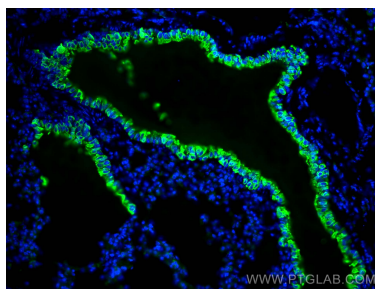
Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



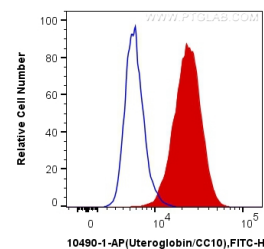
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10490-1-AP (Uteroglobin/CC10 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 (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).



1X10⁶ 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).