

Rabbit Uteroglobin Polyclonal Antibody | anti-Scgb1a1 antibody

Anti-Uteroglobin Picoband antibody

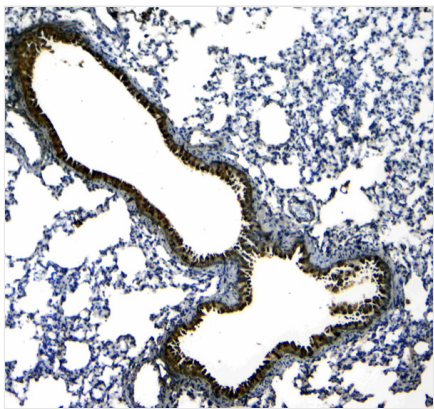
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124681	Rabbit	Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Uteroglobin; Polyclonal Antibody; Anti-Uteroglobin Picoband antibody; Clara cell 17 kDa protein; Clara cell phospholipid-binding protein; CCPBP; Clara cells 10 kDa secretory protein; CC10; PCB-binding protein; Secretoglobin family 1A member 1; Scgb1a1; Cc10; Ugb; Utg; anti-Scgb1a1 antibody

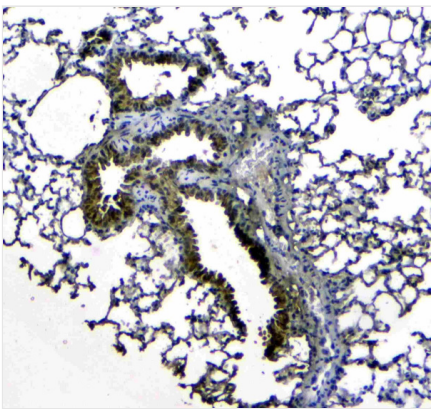
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	96
Applicable Applications for anti-Scgb1a1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived mouse Uteroglobin recombinant protein (Position: D22-F96).
Subcellular Localization	Secreted.
Tissue Specificity	Clara cells (nonciliated cells of the surface epithelium of the pulmonary airways).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



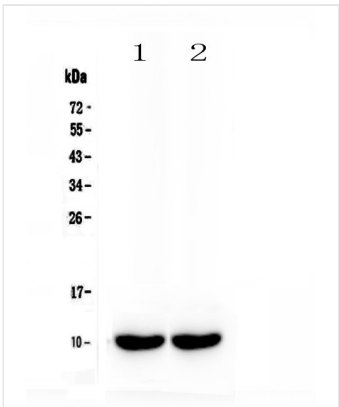
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Uteroglobin using anti-Uteroglobin antibody (AAA124681).Uteroglobin was detected in paraffin-embedded section of rat lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Uteroglobin Antibody (AAA124681) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Uteroglobin using anti-Uteroglobin antibody (AAA124681).Uteroglobin was detected in paraffin-embedded section of mouse lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Uteroglobin Antibody (AAA124681) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Uteroglobin using anti-Uteroglobin antibody (AAA124681).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: mouse lung tissue lysate,Lane 2: mouse lung tissue lysate.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Uteroglobin antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Uteroglobin at approximately 10KD. The expected band size for Uteroglobin is at 10KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Scgb1a1 antibody

Description: Uteroglobin, also known as secretoglobin family 1A member 1 (SCGB1A1), is a protein that in humans is encoded by the SCGB1A1 gene. This gene encodes a member of the secretoglobin family of small secreted proteins. The encoded protein 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.

Protein Function: Binds phosphatidylcholine, phosphatidylinositol, polychlorinated biphenyls (PCB) and weakly progesterone, potent inhibitor of phospholipase A2.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755947
NCBI GeneID	22287
NCBI Accession #	NP_035811.1
NCBI GenBank Nucleotide #	NM_011681.2
UniProt Accession #	Q06318
Molecular Weight	10,519 Da
NCBI Official Full Name	uteroglobin
NCBI Official Synonym Full Names	secretoglobin, family 1A, member 1 (uteroglobin)
NCBI Official Symbol	Scgb1a1
NCBI Official Synonym Symbols	UG; UGB; Utg; CC10; CC16; CCSP; PCB-BP
NCBI Protein Information	uteroglobin
UniProt Protein Name	Uteroglobin
UniProt Gene Name	Scgb1a1
UniProt Synonym Gene Names	Cc10; Ugb; Utg; CCPBP; CC10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/uteroglobin-antibody-western-blot-immunohistochemistry-elisa/124681>