

DATASHEET

SCGB3A2 Rabbit Polyclonal Antibody

CAT. NO. APA16795

KEY FEATURES

Target	SCGB3A2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Secreted cytokine-like protein . Binds to the scavenger receptor MARCO . Can also bind to pathogens including the Gram-positive bacterium L.monocytogenes, the Gram-negative bacterium P.aeruginosa, and yeast . Strongly inhibits phospholipase A2 (PLA2G1B) activity . Seems to have anti-inflammatory effects in respiratory epithelium . Also has anti-fibrotic activity in lung . May play a role in fetal lung development and maturation . Promotes branching morphogenesis during early stages of lung development . In the pituitary, may inhibit production of follicle-stimulating hormone (FSH) and luteinizing hormone (LH) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to SCGB3A2
Specificity	Recognizes endogenous levels of SCGB3A2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human SCGB3A2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 10 kD; Observed: 14 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PNSP1; UGRP1; Secretoglobin family 3A member 2; Pneumo secretory protein 1; PnSP-1; Uteroglobin-related protein 1
Gene Symbol	SCGB3A2
Entrez Gene	117156(Human); 117158(Mouse)
SwissProt	Q96PL1(Human); Q920H1(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

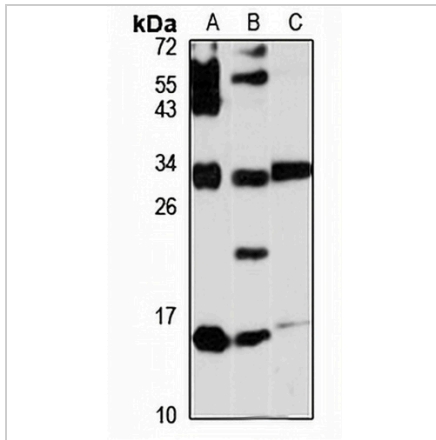
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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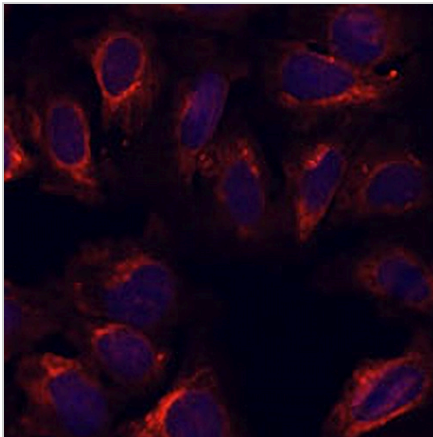
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Western blot analysis of SCGB3A2 expression in Raji (A), mouse lung (B), rat lung (C) whole cell lysates. (Predicted band size: 10 kD; Observed band size: 14 kD)



Immunofluorescent analysis of SCGB3A2 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.