Mouse UGRP1/SCGB3A2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: AF3465

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse UGRP1/SCGB3A2 isoforms C and A in direct ELISAs and Western blots. It is also expected to recognize isoform B in direct ELISAs and Western blots. In Western blots, approximately 15% cross-reactivity with recombinant human UGRP1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant mouse UGRP1/SCGB3A2 isoform C Leu22-Leu139 Accession # Q920H1
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse UGRP1/SCGB3A2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

UGRP-1, also known as secretoglobin family 3A member 2 (SCGB3A2) and HIN-2, is a secreted homodimeric protein that is highly expressed in epithelial cells of the airway. By alternative splicing events, three isoforms (A, B, C) that differ in their C-terminal regions, exist. UGRP-1 has been shown to bind MARCO (macrophage scavenger receptor with collagenous structure), which is expressed by alveolar macrophages. UGRP1 has been suggested to play a role in lung inflammation. Mature mouse UGRP1 isoform A shares 86% and 81% amino acid sequence identity with rat and human mature UGRP1, respectively.

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