

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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.              |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse UGRP1/SCGB3A2 isoform C<br>Leu22-Leu139<br>Accession # Q920H1                                                                                                                                                                     |
| <b>Conjugate</b>          | Alexa Fluor 594<br>Excitation Wavelength: 590 nm<br>Emission Wavelength: 617 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## 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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## 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.

## PRODUCT SPECIFIC NOTICES

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