

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	<i>E. coli</i> -derived recombinant mouse UGRP1/SCGB3A2 isoform C Leu22-Leu139 Accession # Q920H1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

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