

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human UGRP1/SCGB3A2 in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant mouse UGRP1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human UGRP1/SCGB3A2 Phe22-Val93 Accession # Q96PL1
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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 High in Normal 2 (HIN-2), is a secreted, 38 kDa, homodimeric protein that is highly expressed in epithelial cells of the airway. 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 human UGRP1 shares 88% and 81% amino acid sequence identity with rat and mouse mature UGRP1, respectively. Mature UGRP-1 is also 53% identical with that of human mature UGRP-2 (HIN-1).

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