

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
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 Human 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. <ul style="list-style-type: none"> • 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 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).