

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse UGRP1/SCGB3A2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human UGRP1 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 381707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse UGRP1/SCGB3A2 isoform C Leu22-Leu139 Accession # Q920H1
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

UGRP1 (also secretoglobin gene family 3A2/SCGB3A2) is an 18 kDa, secreted nonglycosylated polypeptide that is a member of the Uteroglonin family, UGRP subfamily. Mouse UGRP1(isoform A) circulates as a 37 kDa homodimer. Its mature form is 70 amino acids in length. There are two large alternate splice forms termed B and C. UGRP1B is a secreted homodimer that shows a 22 aa insert between aa 84 and 85 of the short form. UGRP1C contains a 55 aa substitution for the C-terminal seven aa of the short form, predicting a 118 aa secreted form. The common portion of mature mouse UGRP1 (isoforms A, B and C) shares 86% and 81% aa identity with rat and human UGRP1, respectively.

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