Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-DY2

RGS22 Antibody

Overview

Description:	Anti-RGS22 (RABBIT) Antibody - 600-401-DY2
Item No.:	600-401-DY2
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Regulator of G-protein signaling (RGS) proteins contain an 120 amino acid conserved domain, termed the RGS domain, that acts as a GTPase-activating protein that acts to reduce the signal transmitted by the receptor-activated G-alpha subunit. RGS22 is a recently identified member of this family that localizes to the testis and can interact with guanine nucleotide binding proteins alpha 11, 12, and 13 (GNA11, GNA12, and GNA13). While RGS22 has been postulated to play a role in spermiogenesis in the testis, it is also expressed in several cancer cell lines with an epithelial origin and associated with cancer metastasis. Its overexpression in a highly metastatic cancer causes a decrease in cell migration and a reduction of the invasive potential of the cells, suggesting that RGS22 may be a potential prognostic biomarker for metastasis.
Synonyms:	RGS22 Antibody, CT145, PRTD-NY2, Regulator of G-protein signaling 22, RGS22
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RGS22
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RGS22 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human RGS22.

Purity/Specificity:	Anti-RGS22 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of RGS22 are known to exist; this antibody will detect the three longest isoforms. RGS22 antibody is predicted to not cross-react with other RGS proteins.
Relevant Links:	• UniProtKB - Q8NE09 • GeneID - 26166 • NCBI - NP_056483

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-RGS22 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 147 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

Formulation

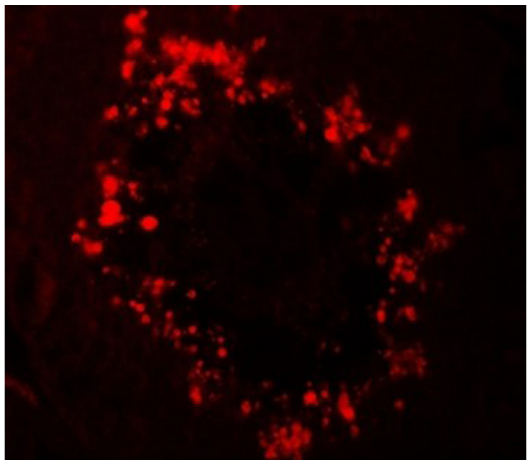
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

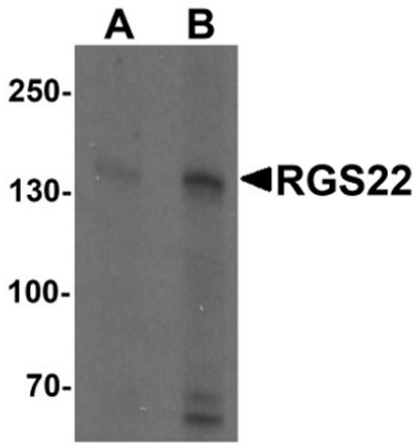
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of RGS22.
Tissue: human testis tissue.
Primary Antibody: RGS22 antibody at 20 µg/mL.



Western Blot
Western blot analysis of RGS22.
Load: Jurkat cell lysate.
Primary Antibody: RGS22 antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer