

Datasheet for 600-401-BY9**IQSEC1 Antibody****Overview**

Description:	Anti-IQSEC1 (RABBIT) Antibody - 600-401-BY9
Item No.:	600-401-BY9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	ADP ribosylation factors (Arfs) are small GTP-binding proteins known for their role in vesicular transport, where they nucleate the assembly of coat protein complexes at sites of carrier vesicle formation. IQSEC1 (GEP100/BRAG2), a guanine nucleotide exchange protein for ARF6, belongs to the BRAG family and contains one IQ domain, one PH domain and one SEC7 domain (1). As a known activator of ARF6, IQSEC1 regulates cell surface levels of Beta1 integrin and its knockdown blocked tumour metastasis (2,3). IQSEC1 links EGFR signaling to ARF6 activation and may contribute to the cancer metastasis and malignancy (4).
Synonyms:	IQ motif and Sec7 domain 1, ADP-ribosylation factors guanine nucleotide-exchange protein 100, ARFGEP100, BRAG2, Brefeldin-resistant Arf-GEF 2 protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IQSEC1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-IQSEC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human IQSEC1.

Purity/Specificity:	Anti-IQSEC1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. IQSEC1 antibody is human, mouse and rat reactive. At least four isoforms of IQSEC1 are known to exist. IQSEC1 antibody is predicted to not cross-react with IQSEC2.
Relevant Links:	• UniProtKB - Q6DN90 • GeneID - 9922 • NCBI - NP_055684

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-IQSEC1 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 108 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:	2 µg/mL
WB:	1-2 µg/mL

Formulation

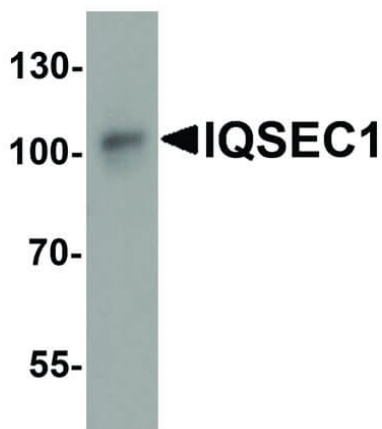
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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



Western Blot

Western Blot of Rabbit anti-IQSEC1 antibody. Lane A: A20 cell lysate. Primary antibody: IQSEC1 antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 106 kDa, 103 kDa for IQSEC1.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.