

Datasheet for 600-401-EC2**RRAS2 Antibody****Overview**

Description:	Anti-RRAS2 (RABBIT) Antibody - 600-401-EC2
Item No.:	600-401-EC2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Activating mutations and overexpression of classical Ras subfamily members (K-RAS, N-RAS and H-RAS) have been widely investigated as key events in the development of human cancers. The RRAS subfamily of Ras-related proteins includes RRAS1, RRAS2 (TC21) and RRAS3 (M-Ras) show overall amino acid identity with the classical Ras subfamily (H-Ras, K-Ras and N-Ras) of 55–60%. RRAS2 is a small GTPbinding protein of the Ras superfamily of GTPases. It might transduce growth inhibitory signals across the cell membrane, exerting its effect through an effector shared with the Ras proteins. RRAS2 has high oncogenic potential and overexpression/mutations have been reported in several tumor tissues and cell lines.
Synonyms:	RRAS2 Antibody, TC21, TC21, Ras-related protein R-Ras2, Ras-like protein TC21
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RRAS2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- RRAS2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the C-terminus of human RRAS2.

Purity/Specificity: Anti-RRAS2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two isoforms of RRAS2 exists as a result of alternative splicing event.

Relevant Links:

- [UniProtKB - P62070](#)
- [GeneID - 22800](#)
- [NCBI - NP_036382](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-RRAS2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 23 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

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1mg/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 SAPAP4 antibody. Lane 1: SK-N-SH cell lysate at 1 μ g/mL. Load: 35 μ g per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 23.4 kDa, ~125 kDa for SAPAP4.

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.