

Datasheet for 600-401-EJ9**SHROOM3 Antibody****Overview**

Description:	Anti-SHROOM3 (RABBIT) Antibody - 600-401-EJ9
Item No.:	600-401-EJ9
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	SHROOM family members play diverse roles in the development of the nervous system and other tissues. SHROOM3 is an actin-binding protein is a regulator of the microtubule cytoskeleton during epithelial morphogenesis and is sufficient and necessary to induce a redistribution of the microtubule regulator gamma-tubulin. It is necessary for both apiscobasal cell elongation and apical constriction in the neural epithelium. SHROOM3 has also been shown to be essential for cell shape changes and morphogenesis in the developing vertebrate gut, with its transcription relying on the Pitx1 transcription factor.
Synonyms:	SHROOM3 Antibody, SHRM, APXL3, ShrmL, MSTP013, KIAA1481, SHRML, Protein Shroom3, Shroom-related protein, hShrmL
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SHROOM3
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- SHROOM3 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the internal region of human SHROOM3.

Purity/Specificity: Anti-SHROOM3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SHROOM3 antibody is human specific. At least four isoforms of SHROOM3 are known to exist; this antibody will detect all four isoforms. SHROOM3 antibody is predicted to not cross-react with other SHROOM family members.

Relevant Links:

- [UniProtKB - Q8TF72](#)
- [GeneID - 57619](#)
- [NCBI - NP_065910](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-SHROOM3 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 217 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: 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

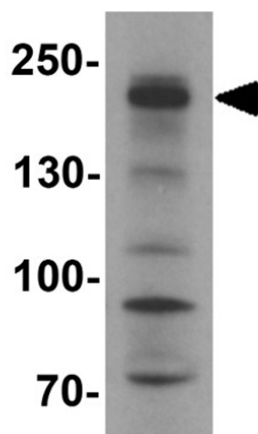
Shipping & Handling

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 analysis of SHROOM3.

Load: SK-N-SH cell lysate.

Primary Antibody: SHROOM3 antibody at 1 μ g/mL.

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.