

Datasheet for 600-401-DQ6

PLEKHM2 Antibody

Overview

Description:	Anti-PLEKHM2 (RABBIT) Antibody - 600-401-DQ6
Item No.:	600-401-DQ6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	PLEKHM2, also known as SKIP, is a member of the M family of Pleckstrin homology domain-containing proteins. While little is known of PLEKHM2, a recent study examining differential gene expression in human hematopoietic stem cells has shown it to be specifically expressed in stem cells, suggesting that PLEKHM2 may play a role in erythroid commitment and development. Other studies have shown that PLEKHM2 is required for interaction with the Salmonella virulence factor SifA for Salmonella pathogenesis, suggesting that PLEKHM2 has cellular roles other than in the developing embryo.
Synonyms:	PLEKHM2 Antibody, SKIP, KIAA0842, SKIP, Pleckstrin homology domain-containing family M member 2, Salmonella-induced filaments A and kinesin-interacting protein, PH domain-containing family M member 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PLEKHM2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-PLEKHM2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the C-terminus of human PLEKHM2.
Purity/Specificity:	Anti-PLEKHM2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PLEKHM2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8IWE5 • GeneID - 23207 • NCBI - CAH72018

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-PLEKHM2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 113 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:	1:5,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	0.5 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

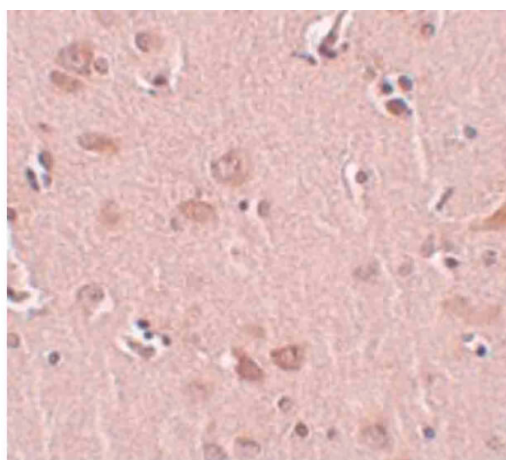
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

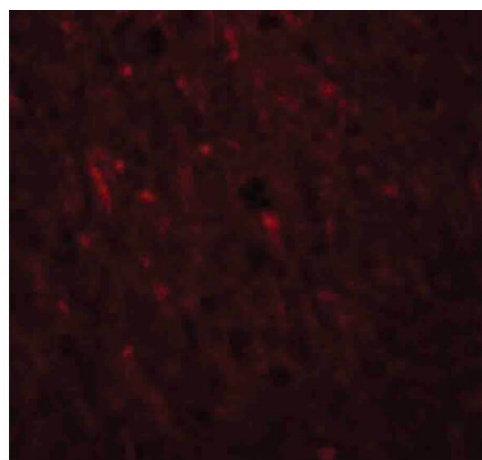
Expiration: Expiration date is one (1) year from date of receipt.

Images



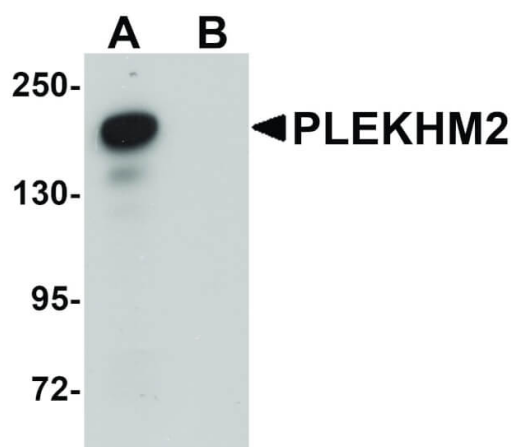
Immunohistochemistry

Immunohistochemistry of PLEKHM2 antibody. Tissue: Human liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: PLEKHM2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: PLEKHM2 is cytoplasmic. Staining: PLEKHM2 as precipitated brown signal with blue nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of PLEKHM2 antibody. Tissue: Human brain cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: PLEKHM2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: PLEKHM2 is cytoplasmic. Staining: PLEKHM2 as red fluorescent signal.

**Western Blot**

Western Blot of PLEKHM2 antibody. Lane 1: rat brain tissue lysate in the absence of blocking peptide. Lane 2: rat brain tissue lysate in the presence of blocking peptide. Primary Antibody: with PLEKHM2 antibody at 0.50 µg/mL. 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: 113 kDa, 200 kDa for PLEKHM2. Other band(s): PLEKHM2 splice variants and isoforms.

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.