

Datasheet for 600-401-CF2**KLHL15 Antibody****Overview**

Description:	Anti-KLHL15 (RABBIT) Antibody - 600-401-CF2
Item No.:	600-401-CF2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	KLHL15 is a member of a growing superfamily of kelch repeat-containing proteins. The kelch motif was discovered in the sequence of the Drosophila kelch ORF1 protein and forms a conserved beta-propeller tertiary structure. These kelch-like proteins have been implicated in embryogenesis and carcinogenesis through cytoskeleton organization. KLHL15 mRNA is widely expressed in many tissues and is thought to be involved in protein ubiquitination and cytoskeleton organization.
Synonyms:	KLHL15 Antibody, HEL-S-305, KIAA1677, Kelch-like protein 15
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KLHL15
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KLHL15 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human KLHL15.
Purity/Specificity:	Anti-KLHL15 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with KLHL15 from other sources has not been determined.

Relevant Links:	• UniProtKB - Q96M94 • GeneID - 80311 • NCBI - NP_085127
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-KLHL15 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 70 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

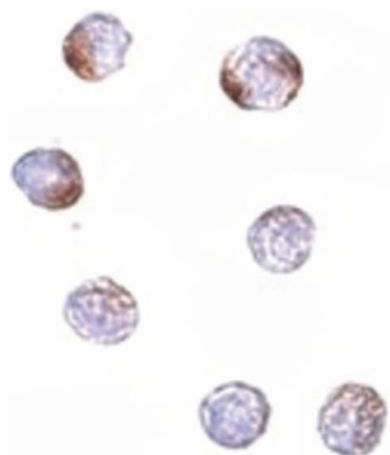
Formulation

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

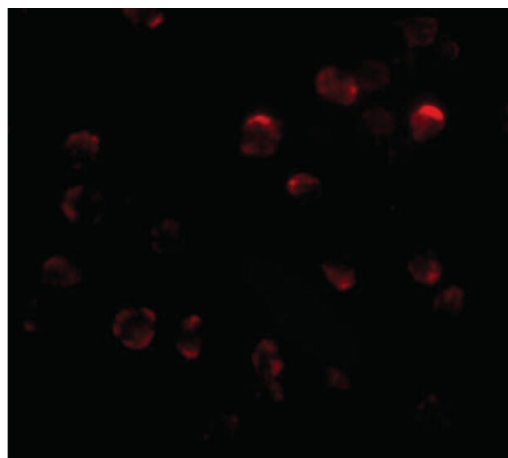
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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



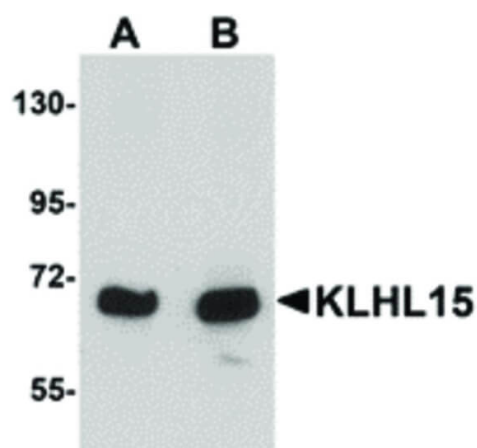
Immunohistochemistry

Immunocytochemistry of KLHL15 antibody. Tissue: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: KLHL15 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: KLHL15 is a Cul3-RING ubiquitin ligase complex. Staining: KLHL15 as precipitated brown signal with purple counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of KLHL15 antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: KLHL15 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: KLHL15 is a Cul3-RING ubiquitin ligase complex. Staining: KLHL15 as red fluorescent signal.



Western Blot

Western Blot of KLHL15 antibody. Lane 1: HeLa cell lysate with KLHL15 antibody at 1 µg/mL. Lane 2: HeLa cell lysate with KLHL15 antibody at 2 µg/mL. Load: 35 µg 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: 70 kDa, 70 kDa for KLHL15. Other band(s): KLHL15 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.