

Datasheet for 600-401-AL3**CKIP1 Antibody****Overview**

Description:	Anti-CKIP1 (RABBIT) Antibody - 600-401-AL3
Item No.:	600-401-AL3
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	CKIP1 was identified through a yeast-two hybrid screening as a protein that would interact with only one of the two catalytic subunits of the casein kinase 2 complex. CKIP1 is a pleckstrin homology domain-containing protein localized within the nucleus and at the plasma membrane that interacts with CK2alpha but not CK2alpha', and is thought to play a role in targeting CK2alpha to a particular cellular location. CKIP1 has been implicated in muscle differentiation and the regulation of cell morphology and actin cytoskeleton. CKIP1 can also interact with other proteins such as ATM, an upstream kinase of p53, and recruit the nuclear ATM to the plasma membrane, suggesting CKIP1 may regulate ATM function through re-localizing ATM. CKIP1 can also form a complex with the kinase AKT, leading to a down-regulation of PI3K/AKT signaling and suppression of tumor growth in vivo.
Synonyms:	CKIP1 Antibody, OC120, CKIP-1, CKIP1, OC120, HQ0024c, Pleckstrin homology domain-containing family O member 1, C-Jun-binding protein, PH domain-containing family O member 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PLEKHO1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CKIP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the C-terminus of human CKIP1.
Purity/Specificity:	Anti-CKIP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CKIP1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q53GL0 • GeneID - 51177 • NCBI - NP_057358

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-CKIP1 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 46 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

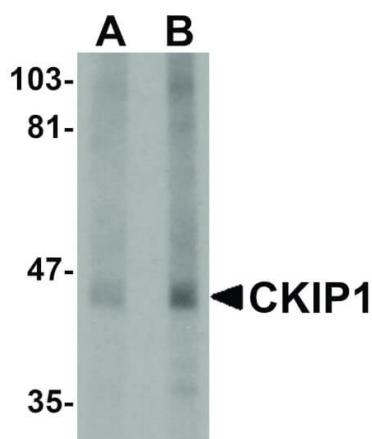
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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 of CKIP1 antibody. Lane 1: Human lung tissue lysate with CKIP1 antibody at 1 $\mu\text{g}/\text{mL}$. Lane 2: Human lung tissue lysate with CKIP1 antibody at 2 $\mu\text{g}/\text{mL}$. 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: 46 kDa, 46 kDa for CKIP1. Other band(s): CKIP1 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.