

## Product datasheet

# Recombinant Human CKAP2/LB1 protein ab162023

1 Image

### Overview

<b>Product name</b>	Recombinant Human CKAP2/LB1 protein
<b>Protein length</b>	Full length protein

### Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Sequence</b>	MEKSEPVDQRRHTAGKAMDSRSAQPKETSEERKARL SEWKAGKGRVLKR PPNSVVTQHEPAGQNEKPVGSFWTTMAEEDEQRLFT EKNNTFSECLNLI NEGCPKEDILVTLNDLIKIPDAKKLVKYWICLALIEPITS PIENIAYEKAILAGAQVR
<b>Amino acids</b>	1 to 161
<b>Tags</b>	GST tag N-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab162023** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml.

### Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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## General Info

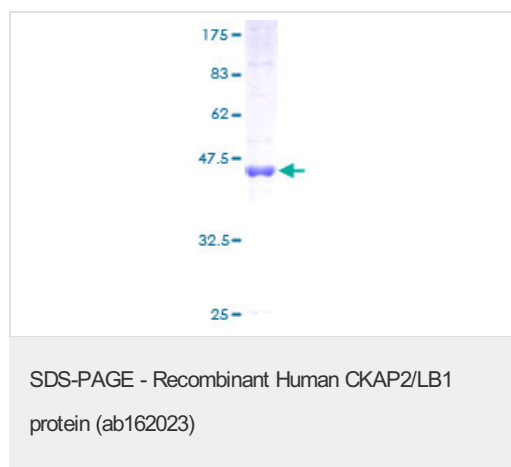
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<b>Function</b>	Possesses microtubule stabilizing properties. Involved in regulating aneuploidy, cell cycling, and cell death in a p53/TP53-dependent manner.
<b>Tissue specificity</b>	Abundant in testis, thymus, and in tumor derived cell lines, while barely detectable in liver, prostate, and kidney.
<b>Sequence similarities</b>	Belongs to the CKAP2 family.
<b>Developmental stage</b>	Present at the G1/S boundary. Accumulates as cells progress from S to G2 into mitosis. Rapidly degraded during mitosis exit by CDH1-activated anaphase promoting complex/cyclosome (APC/C).
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > spindle. Cytoplasm > cytoskeleton > spindle pole. Contrary to the ectopically expressed protein, endogenous CKAP2 does not colocalize with microtubules in G1, S and early G2. At late G2 and prophase after separation of duplicated centrosomes, colocalizes with gamma-tubulin and centrosome-proximal microtubules. From prometaphase through anaphase B, colocalizes with mitotic spindle poles and spindle microtubules. During cytokinesis, absent from midbody microtubules.

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## Images

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ab162023 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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