KLC1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_891553.2

Catalog No. A302-710A GenelD 3831

Lot No. A302-710A-1

APPLICATIONS IP

SPECIES REACTIVITY Human

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Orangutan

AMOUNT 100 μl

CONCENTRATION 1000 μg/ml

STORAGE/SHELF LIFE 2 - 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

PRODUCTION PROCEDURES

Antibody was affinity purified using an epitope specific to KLC1 immobilized on solid support.

The epitope recognized by A302-710A maps to a region between residue 150 and 200 of human

kinesin light chain 1 using the numbering given in entry NP_891553.2 (GeneID 3831).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4

equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot Not recommended. Use rabbit anti-KLC1 antibody A302-711A.

Immunoprecipitation $2 - 5 \mu g/mg$ lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100–020),

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

ADDITIONAL INFO https://www.bethyl.com/product/A302-710A

Use the link above to view SDS, a current list of citations, and other product specific information.

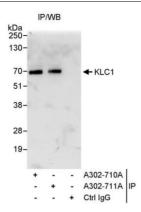
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



KLC1 Antibody A302-710A



Detection of human KLC1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-KLC1 antibody A302–710A used for IP at 3 μg/mg lysate. KLC1 was also immunoprecipitated by rabbit anti-KLC1 antibody A302–711A, which recognizes a downstream epitope. For blotting immunoprecipitated KLC1, A302–711A was used at 0.4 μg/ml. Detection: Chemiluminescence with an exposure time of 30 second.