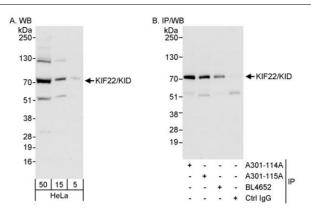
KIF22/KID Antibody **Rabbit Polyclonal** Antigen Affinity Purified NP 015556.1 Protein ID Catalog No. A301-115A GenelD 3835 Lot No. A301-115A-1 ABOBA APPLICATIONS WB. IP SPECIES REACTIVITY Human PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Orangutan AMOUNT 100 ul CONCENTRATION 200 µa/ml STORAGE/SHELF LIFE $2 - 8^{\circ} C / 1$ year from date of receipt PHYSICAL STATE Liauid BUFFER Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide ISOTYPE lgG ORIGIN USA PRODUCTION Antibody was affinity purified using an epitope specific to KIF22/KID immobilized on solid PROCEDURES support. The epitope recognized by A301-115A maps to a region between residue 525 and 575 of human kinesin family member 22 (Kinesin-like DNA-binding protein) using the numbering given in entry NP 015556.1 (GeneID 3835). Immunoglobulin 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 1:2.000 - 1:10.000 Immunoprecipitation 2 – 5 μ 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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

ADDITIONAL INFOWestern blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.https://www.bethyl.com/product/A301-115A

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

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Detection of human KIF22/KID by western blot and immunoprecipitation. *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-KIF22/KID antibody A301–115A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. KIF22/KID was also immunoprecipitated by rabbit anti-KIF22/KID antibodies A301–114A and BL4652, which recognize other epitopes. *Detection:* Chemiluminescence with exposure times of 30 seconds (A and B).