

# NEK4 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_003148.2

Catalog No. A302-673A

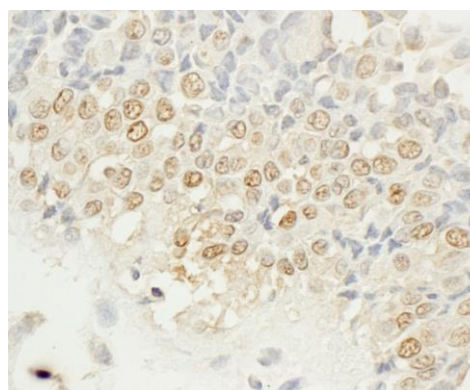
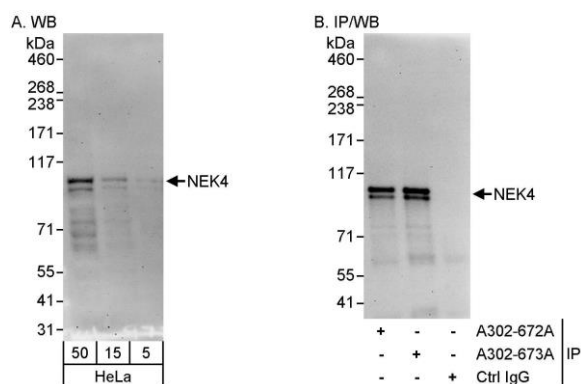
GeneID 6787

Lot No. A302-673A-1



<b>APPLICATIONS</b>	WB, IP, IHC
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	<p>Antibody was affinity purified using an epitope specific to NEK4 immobilized on solid support.</p> <p>The epitope recognized by A302-673A maps to a region between residue 475 and 525 of human NIMA (never in mitosis gene a)-related kinase 4 using the numbering given in entry NP_003148.2 (GeneID 6787).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
<b>APPLICATIONS</b>	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 – 1:10,000</p> <p>Immunoprecipitation 2 – 5 µg/mg lysate</p> <p>Immunohistochemistry 1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</p>
<b>APPLICATION NOTES</b>	<p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), 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).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>
<b>IHC HUMAN CONTROLS</b>	Breast Carcinoma, Prostate Carcinoma
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A302-673A">https://www.bethyl.com/product/A302-673A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>

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



**Detection of human NEK4 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-NEK4 antibody A302-673A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. NEK4 was also immunoprecipitated by rabbit anti-NEK4 antibody A302-672A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

**Detection of human NEK4 by immunohistochemistry.** *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-NEK4 (Cat. No. A302-673A Lot1) used at a dilution of 1:200 (1 µg/ml). *Detection:* DAB