

# NUCKS Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_073568.2

Catalog No. A301-508A

GeneID 64710

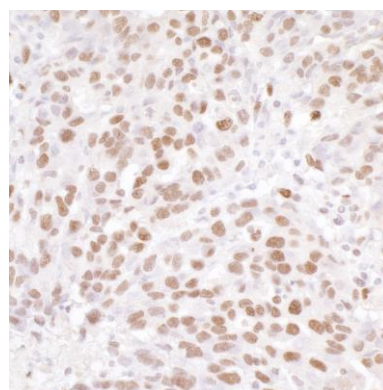
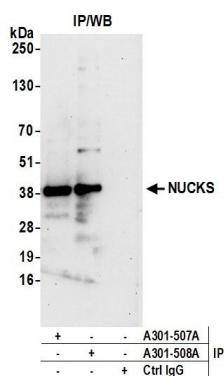
Lot No. A301-508A-2



<b>APPLICATIONS</b>	IP, IHC
<b>SPECIES REACTIVITY</b>	Human
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Bovine
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 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-citrate/phosphate buffer, pH 7 to 8 containing 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 NUCKS immobilized on solid support.</p> <p>The epitope recognized by A301-508A maps to a region between residue 147 and 197 of human nuclear ubiquitous casein kinase and cyclin-dependent kinase substrate using the numbering given in entry NP_073568.2 (GeneID 64710).</p> <p>Immunoglobulin 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                      Not recommended. A301-508A has not performed satisfactorily when used for WB of NUCKS in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of NUCKS.</p> <p>Immunoprecipitation            2 - 5 µg/mg lysate</p> <p>Immunohistochemistry        1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</p>
<b>APPLICATION NOTES</b>	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 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).
<b>IHC HUMAN CONTROLS</b>	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A301-508A">https://www.bethyl.com/product/A301-508A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>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 NUCKS by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-NUCKS antibody A301-508A (lot A301-508A-2) used for IP at 3 µg per reaction. NUCKS was also immunoprecipitated by rabbit anti-NUCKS antibody A301-507A. For blotting immunoprecipitated NUCKS, A301-508A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

**Detection of human NUCKS by immunohistochemistry.** *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-NUCKS (Cat. No. A301-508A Lot2) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB