

# Cytoskeletal Actin Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P63261

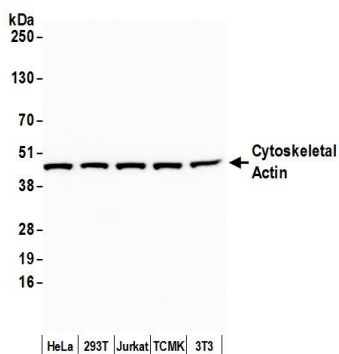
Catalog No. A300-485A GeneID 71

Lot No. A300-485A-3

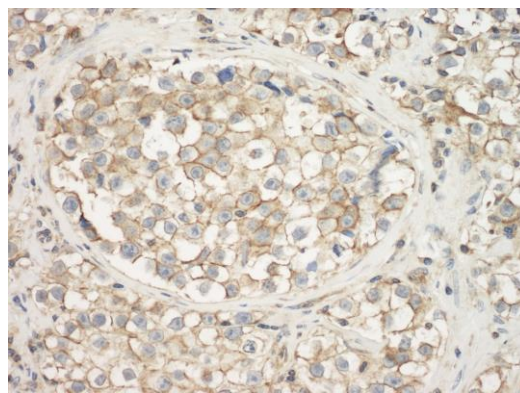


<b>APPLICATIONS</b>	WB, IHC						
<b>SPECIES REACTIVITY</b>	Human, Mouse						
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with <i>X. laevis</i>						
<b>AMOUNT</b>	100 µl						
<b>CONCENTRATION</b>	1000 µg/ml						
<b>STORAGE/SHELF LIFE</b>	2 - 8° 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 Cytoskeletal Actin immobilized on solid support.</p> <p>The epitope recognized by A300-485A maps to the N-terminus of human Gamma-actin using the numbering given in Swiss-Prot entry P63261 (GeneID 71). The N-terminus of Gamma-Actin is highly conserved with Beta-Actin and preliminary indications are that A300-485A also recognizes Beta-Actin (GeneID 60).</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> <table><tr><td>Western Blot</td><td>1:2,000 - 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>Not recommended</td></tr><tr><td>Immunohistochemistry</td><td>1:2,000 - 1:10,000. Epitope retrieval may not be necessary. In some instances epitope retrieval with citrate buffer pH 6.0 may enhance staining for FFPE tissue sections.</td></tr></table>	Western Blot	1:2,000 - 1:10,000	Immunoprecipitation	Not recommended	Immunohistochemistry	1:2,000 - 1:10,000. Epitope retrieval may not be necessary. In some instances epitope retrieval with citrate buffer pH 6.0 may enhance staining for FFPE tissue sections.
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<b>APPLICATION NOTES</b>	Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.						
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A300-485A">https://www.bethyl.com/product/A300-485A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</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 and mouse Cytoskeletal Actin by western blot.** *Samples:* Whole cell lysate (15 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Cytoskeletal Actin antibody A300-485A (lot A300-485A-3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human Actin by immunohistochemistry.** *Sample:* FFPE section of human testicular seminoma. *Antibody:* Affinity purified rabbit anti-Actin (Cat. No. A300-485A Lot2) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB