

# ACTR2/ARP2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID P61160.1

Catalog No. A305-216A

GeneID 10097

Lot No. A305-216A-1



<b>APPLICATIONS</b>	WB, IP, IHC
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Rat, Zebrafish, X. laevis, X. tropicalis, Chicken, Bovine and Orangutan
<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>	Antibody was affinity purified using an epitope specific to ACTR2/ARP2 immobilized on solid support.

The epitope recognized by A305-216A maps to a region between residue 25 to 75 of human Actin-related protein 2 using the numbering given in entry P61160.1 (GeneID 10097).

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 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:1,000 – 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

**APPLICATION NOTES** 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).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

**IHC HUMAN CONTROLS** Skin Squamous Cell Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A305-216A>

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

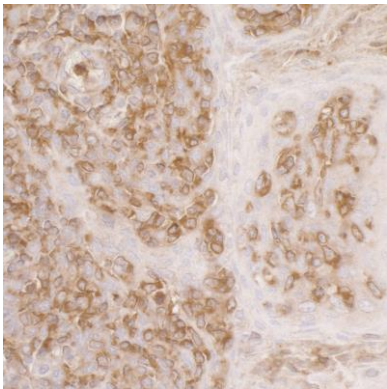
IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

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



**Detection of human and mouse ACTR2 by western blot.**  
*Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-ACTR2 antibody A305-216A (lot A305-216A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.

**Detection of human ACTR2 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-ACTR2 antibody A305-216A (lot A305-216A-1) used for IP at 6 µg per reaction. ACTR2 was also immunoprecipitated by rabbit anti-ACTR2 antibody A305-217A. For blotting immunoprecipitated ACTR2, A305-216A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human ACTR2 by immunohistochemistry.**  
*Sample:* FFPE section of human skin squamous cell carcinoma. *Antibody:* Affinity purified rabbit anti-ACTR2 (Cat. No. A305-216A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB