

# PRKAR2A/PKA-R11alpha Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_004148.1

Catalog No. A301-670A-T GenelD 5576

Lot No. A301-670A-T-1

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<b>APPLICATIONS</b>	WB, IP, IHC
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	10 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>	Antibody was affinity purified using an epitope specific to PRKAR2A/PKA-R11alpha immobilized on solid support.

The epitope recognized by A301-670A-T maps to a region between residue 50 and 100 of human protein kinase, cAMP-dependent, regulatory, type II, alpha using the numbering given in entry NP\_004148.1 (GeneID 5576).

**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 µg/mg lysate

Immunohistochemistry 1:200 – 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A301-670A-T>

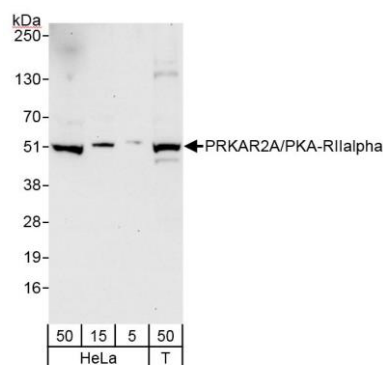
Use the link above to view SDS, a current list of citations, and other product specific information.

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

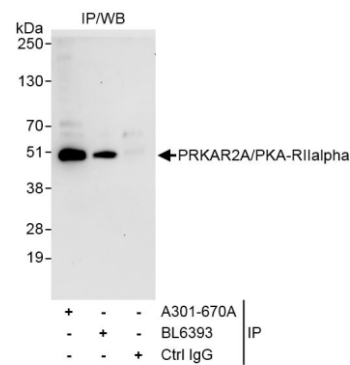
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

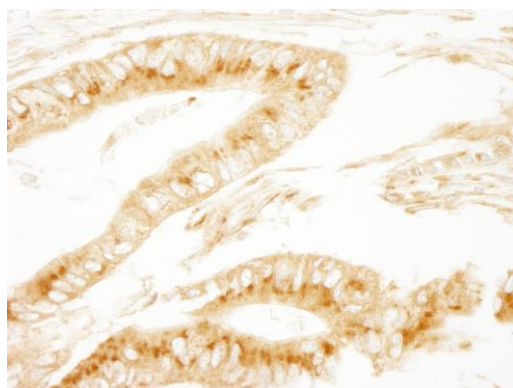
Date: June 6, 2022



**Detection of human PRKAR2A/PKA-R11alpha by western blot.** *Samples:* Whole cell lysate from HeLa (5, 15 and 50  $\mu$ g) and HEK293T (T; 50  $\mu$ g) cells. *Antibodies:* Affinity purified rabbit anti-PRKAR2A/PKA-R11alpha antibody A301-670A (lot A301-670A-1) used for WB at 0.04  $\mu$ g/ml. *Detection:* Chemiluminescence with exposure time of 30 seconds.



**Detection of human PRKAR2A/PKA-R11alpha by western blot of immunoprecipitates** *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-PRKAR2A/PKA-R11alpha antibody A301-670A (lot A301-670A-1) used for IP at 3  $\mu$ g/mg lysate. PRKAR2A/PKA-R11alpha was also immunoprecipitated by rabbit anti-PRKAR2A/PKA-R11alpha antibody BL6393, which recognizes a downstream epitope. For blotting immunoprecipitated PRKAR2A/PKA-R11alpha, A301-670A was used at 1.0  $\mu$ g/ml. *Detection:* Chemiluminescence with exposure time of 30 seconds.



**Detection of human PRKAR2A/PKA-R11alpha by immunohistochemistry.** *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-PRKAR2A/PKA-R11alpha (Cat. No. A301-670A lot 1) used at a dilution of 1:200 (1  $\mu$ g/ml). *Detection:* DAB