

BIG2/ARFGEF2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_006411.1

Catalog No. A301-004A

GeneID 10564

Lot No. A301-004A-1



APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to BIG2/ARFGEF2 immobilized on solid support. The epitope recognized by A301-004A maps to a region between residue 300 and 350 of human brefeldin A-inhibited 2 (ADP-ribosylation factor guanine nucleotide-exchange factor 2) using the numbering given in entry NP_006411.1 (GeneID 10564).

Immunoglobulin 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 - 5 µg/mg lysate

Immunohistochemistry 1:100 - 1:500. 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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

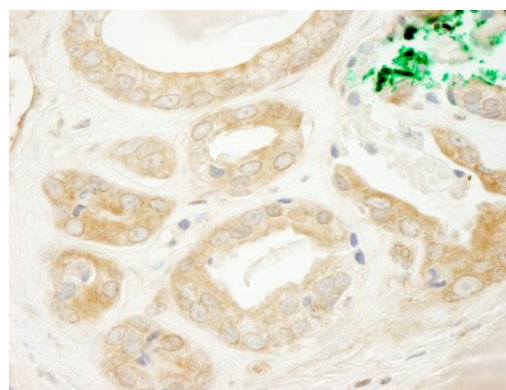
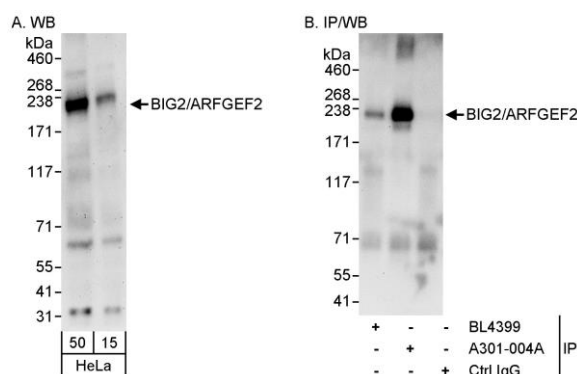
IHC HUMAN CONTROLS Colon Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A301-004A>

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

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 BIG2/ARFGEF2 by western blot and immunoprecipitation. *Samples:* Whole cell lysate (15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibody:* Affinity purified rabbit anti-BIG2/ARFGEF2 antibody A301-004A used for WB at 0.04 μ g/ml (A) and 1 μ g/ml (B) and used for IP at 3 μ g/mg lysate (B). BIG2/ARFGEF2 was also immunoprecipitated by rabbit anti-BIG2/ARFGEF2 antibody BL4399, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

Detection of human BIG2/ARFGEF2 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-BIG2/ARFGEF2 (Cat. No. A301-004A) used at a dilution of 1:200 (1 μ g/ml). *Detection:* DAB