

TSC2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID P49815

Catalog No. A300-463A

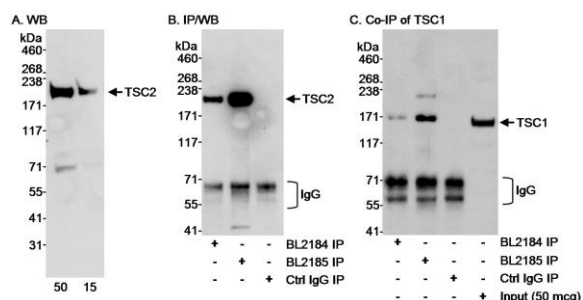
GeneID 7249

Lot No. A300-463A-1



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to TSC2 immobilized on solid support. The epitope recognized by A300-463A maps to a region between residues 1750 and the C-terminus (residue 1807) of human Tuberous Sclerosis 2 using the numbering given in Swiss-Prot entry P49815 (GeneID 7249). 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 1:5,000 – 1:15,000 Immunoprecipitation 2 – 5 µg/mg lysate
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.
ADDITIONAL INFO	https://www.bethyl.com/product/A300-463A 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 TSC2 by western blot and immunoprecipitation and Co-IP of TSC1 with TSC2.

Samples: Whole cell lysate (15 and 50 µg for WB, A; 1 mg for IP, 25% of IP loaded, B and C) from HeLa cells.

Antibodies: Affinity purified rabbit anti-TSC2 antibody BL2185 (Cat. No. A300-463A) used at 0.1 µg/ml for WB (A) and 3 µg/mg lysate for IP (B and C). TSC2 was also immunoprecipitated with BL2184, which is to an upstream epitope on TSC2, using 3 µg/mg lysate (B and C). immunoprecipitation reactions were controlled using normal rabbit IgG (Ctrl IgG). TSC1 was found to Co-IP with TSC2 by blotting TSC2 immunoprecipitates with rabbit anti-TSC1 antibody BL1601 (Cat. No. A300-316A) at 0.1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 30 seconds (A, B and C).