

# TRAP1 /HSP75 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID Q12931.3

Catalog No. A305-013A GeneID 10131

Lot No. A305-013A-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
<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 TRAP1 /HSP75 immobilized on solid support.

The epitope recognized by A305-013A maps to a region between residue 600 to 650 of human Heat shock protein 75 kDa, mitochondrial using the numbering given in entry Q12931.3 (GeneID 10131).

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 1:10,000 – 1:25,000

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

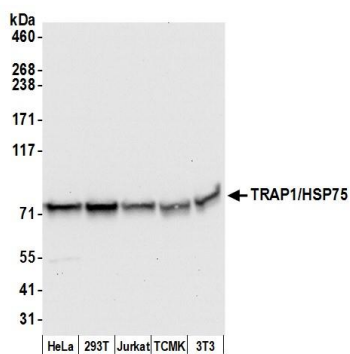
**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

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

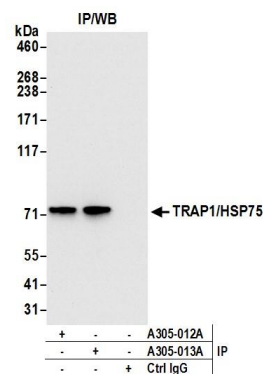
**IHC HUMAN CONTROLS** Colon Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A305-013A>  
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)

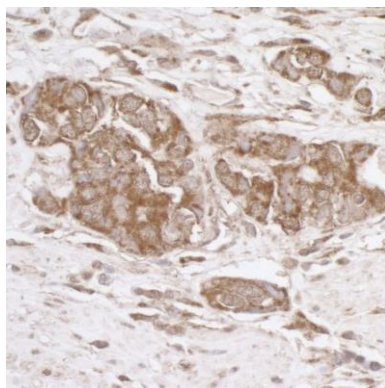
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



**Detection of human and mouse TRAP1 /HSP75 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-TRAP1 /HSP75 antibody A305-013A (lot A305-013A-1) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human TRAP1 /HSP75 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-TRAP1 /HSP75 antibody A305-013A (lot A305-013A-1) used for IP at 6 µg per reaction. TRAP1 /HSP75 was also immunoprecipitated by rabbit anti-TRAP1 /HSP75 antibody A305-012A. For blotting immunoprecipitated TRAP1 /HSP75, A305-013A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human TRAP1 /HSP75 by immunohistochemistry** *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-TRAP1 /HSP75 (Cat. No. A305-013A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB