

For Research Use Only

TRAP1 Monoclonal antibody, PBS Only

Catalog Number: 67693-1-PBS

Featured Product



Basic Information

Catalog Number:

67693-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0400

GenBank Accession Number:

BC000406

GeneID (NCBI):

10131

UNIPROT ID:

Q12931

Full Name:

TNF receptor-associated protein 1

Calculated MW:

80 kDa

Observed MW:

70-75 kDa

Purification Method:

Protein G purification

CloneNo.:

1H5D4

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

TNF receptor-associated protein 1 (TRAP1, synonym: HSP75) is a member of the HSP90 family of molecular chaperones, and is expressed ubiquitously and located to mitochondria. A unique LxCxE motif in HSP75, but not in other HSP90 family members, appears to be important for binding to the simian virus 40 T-antigen-binding domain of hypophosphorylated Rb. Data also suggests that suppression of the expression of TRAP1 in mitochondria plays an important role in the induction of apoptosis caused via formation of reactive oxygen species (ROS).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

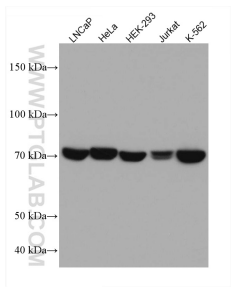
T: 4006900926

E: Proteintech-CN@ptglab.com

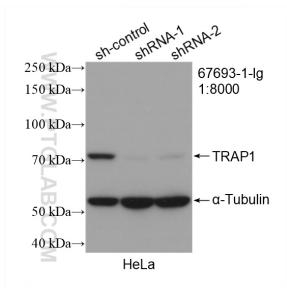
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

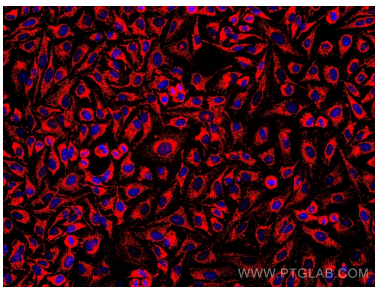
Selected Validation Data



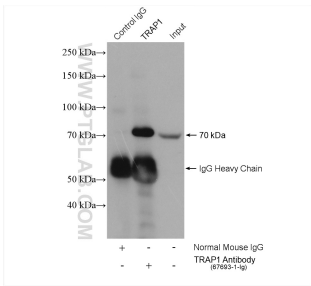
Various lysates were subjected to SDS PAGE followed by western blot with 67693-1-Ig (TRAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67693-1-PBS in a different storage buffer formulation.



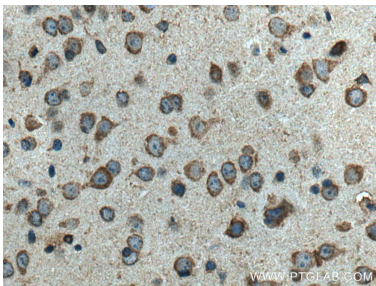
WB result of TRAP1 antibody (67693-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRAP1 transfected HeLa cells. This data was developed using the same antibody clone with 67693-1-PBS in a different storage buffer formulation.



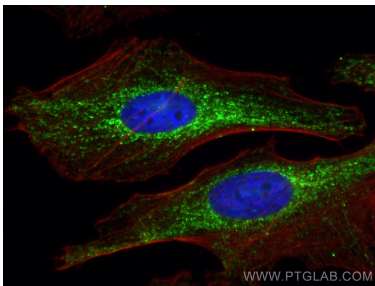
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TRAP1 antibody (67693-1-Ig, Clone: 1H5D4) at dilution of 1:500 and Multi-rAb Coralite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 67693-1-PBS in a different storage buffer formulation.



IP result of anti-TRAP1 (IP:67693-1-Ig, 5ug; Detection:67693-1-Ig 1:1000) with K-562 cells lysate 1760 ug. This data was developed using the same antibody clone with 67693-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67693-1-Ig (TRAP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67693-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TRAP1 antibody (67693-1-Ig, Clone: 1H5D4) at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 67693-1-PBS in a different storage buffer formulation.