

For Research Use Only

TOM70 Monoclonal antibody, PBS Only

Catalog Number: 66593-1-PBS

Featured Product



Basic Information

Catalog Number:

66593-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6027

GenBank Accession Number:

BC052994

GeneID (NCBI):

9868

UNIPROT ID:

O94826

Full Name:

translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)

Calculated MW:

67 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

1H8A1

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

Background Information

TOM70 is a mitochondrial import receptor responsible for the import of cytosol synthesized precursor proteins into the mitochondria. Tom70 is a member of the tetratricopeptide repeat (TPR) co-chaperone family and contains a conserved TPR clamp domain for interaction with Hsc70 and Hsp90. Recently overexpression of TOM70 has been linked to chemoresistance to drugs in breast cancer cell lines. It is also believed that Tom70 is significantly associated with breast cancer relapse and may predict the recurrence of ovarian cancer.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

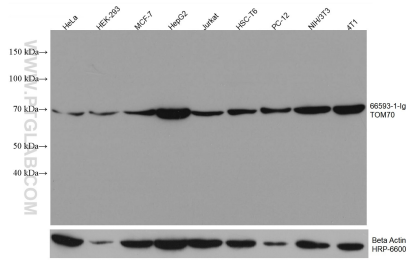
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

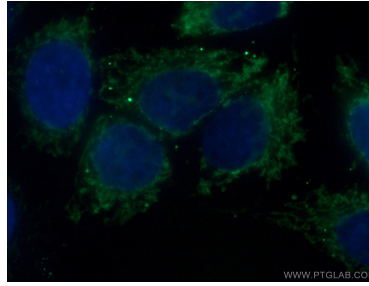
E: proteintech@ptglab.com
W: ptglab.com

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

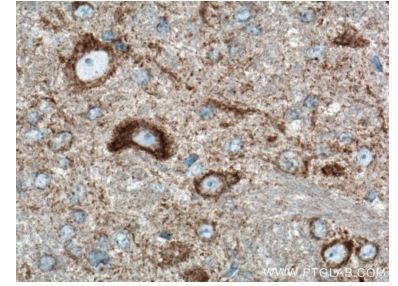
Selected Validation Data



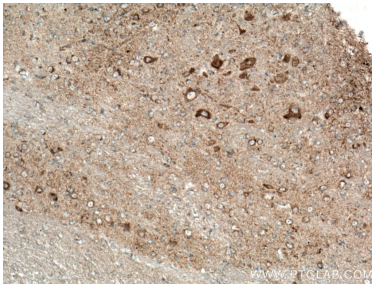
Various lysates were subjected to SDS PAGE followed by western blot with 66593-1-Ig (TOM70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66593-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66593-1-Ig (TOM70 antibody) at dilution of 1:200 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66593-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66593-1-Ig (TOM70 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66593-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66593-1-Ig (TOM70 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66593-1-PBS in a different storage buffer formulation.