

For Research Use Only

# TIMM44 Monoclonal antibody

Catalog Number: 66149-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 66149-1-Ig	<b>GenBank Accession Number:</b> BC033628	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1100 µg/ml	<b>GeneID (NCBI):</b> 10469	<b>CloneNo.:</b> 4G7D4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O43615	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:250-1:1000 IF 1:200-1:800
<b>Isotype:</b> IgG2c	<b>Full Name:</b> translocase of inner mitochondrial membrane 44 homolog (yeast)	
<b>Immunogen Catalog Number:</b> AG21389	<b>Calculated MW:</b> 452 aa, 51 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat, pig, rabbit	<b>WB:</b> LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, pig heart tissue, rabbit heart tissue
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IHC:</b> human liver tissue, <b>IF:</b> HepG2 cells,

## Background Information

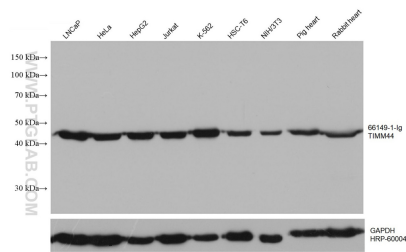
### Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

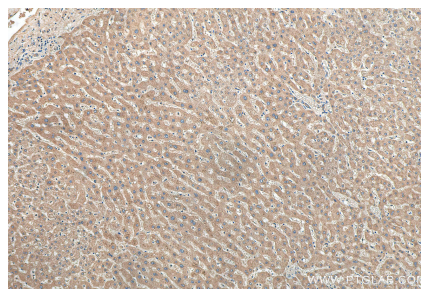
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

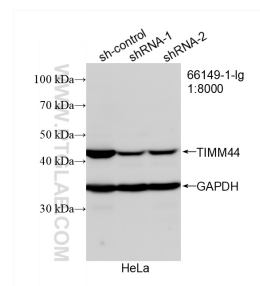
## Selected Validation Data



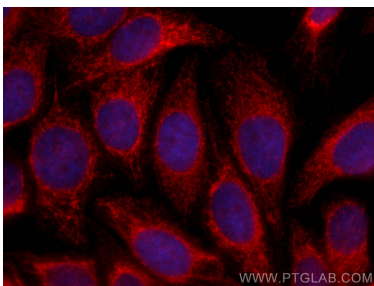
Various lysates were subjected to SDS PAGE followed by western blot with 66149-1-Ig (TIMM44 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66149-1-Ig (TIMM44 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of TIMM44 antibody (66149-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TIMM44 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TIMM44 antibody (66149-1-Ig, Clone: 4G7D4) at dilution of 1:400 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).