

For Research Use Only

# TMPO/LAP2 Monoclonal antibody, PBS Only



Catalog Number: 67157-1-PBS

## Basic Information

<b>Catalog Number:</b> 67157-1-PBS	<b>GenBank Accession Number:</b> BC053675	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7112	<b>CloneNo.:</b> 3G4E1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P42167	
<b>Isotype:</b> IgG1	<b>Full Name:</b> thymopoietin	
<b>Immunogen Catalog Number:</b> AG6415	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 51 kDa, 39 kDa	

## Applications

**Tested Applications:**  
WB, IF, IHC, ELISA

**Species Specificity:**  
Human, rat, mouse

## Background Information

TMPO resides in the nucleus and may play a role in the assembly of the nuclear lamina, and thus help maintain the structural organization of the nuclear envelope. It may function as a receptor for the attachment of lamin filaments to the inner nuclear membrane. TMPO gene encodes 3 thymopoietins: alpha (75 kD), beta (51 kD), and gamma (39 kD).

## Storage

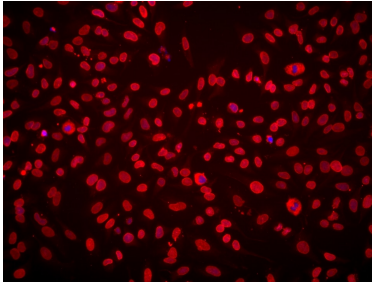
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

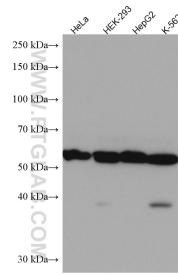
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

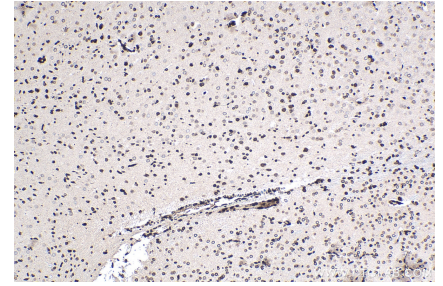
## Selected Validation Data



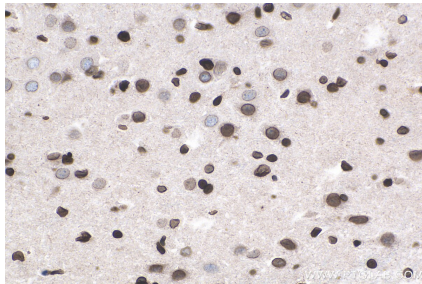
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TMPO/LAP2 antibody (67157-1-Ig, Clone: 3G4E1 ) at dilution of 1:2200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004 ). This data was developed using the same antibody clone with 67157-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67157-1-Ig (TMPO/LAP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67157-1-Ig (TMPO/LAP2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67157-1-Ig (TMPO/LAP2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67157-1-PBS in a different storage buffer formulation.