

For Research Use Only

TMPO/LAP2 Monoclonal antibody

Catalog Number: 67157-1-Ig



Basic Information

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|---|--|---|
| Catalog Number: 67157-1-Ig | GenBank Accession Number: BC053675 | Purification Method: Protein G purification |
| Size: 150ul, Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 7112 | CloneNo.: 3G4E1 |
| Source: Mouse | UNIPROT ID: P42167 | Recommended Dilutions: WB 1:2000-1:10000 IHC 1:2000-1:8000 IF/ICC 1:1000-1:4000 |
| Isotype: IgG1 | Full Name: thymopoietin | |
| Immunogen Catalog Number: AG6415 | Calculated MW: 51 kDa | |
| | Observed MW: 51 kDa, 39 kDa | |

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
Human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, SH-SY5Y cells, HSC-T6 cells, HEK-293 cells, HepG2 cells, K-562 cells

IHC: rat brain tissue, human liver cancer tissue, mouse brain tissue

IF/ICC: HeLa cells,

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 -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

*** 20ul sizes contain 0.1% BSA

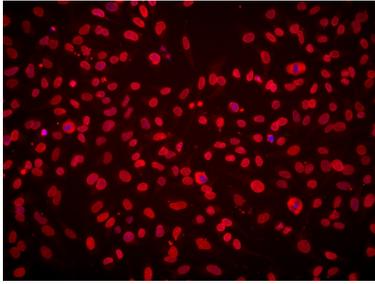
For technical support and original validation data for this product please contact:

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

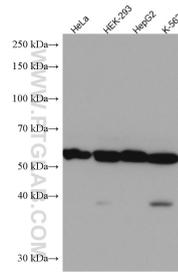
E: proteintech@ptglab.com
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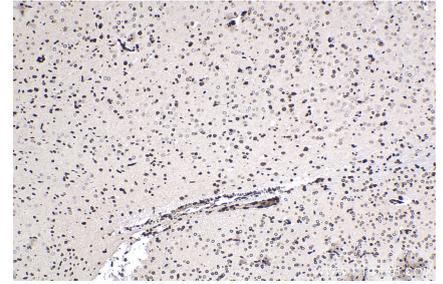
Selected Validation Data



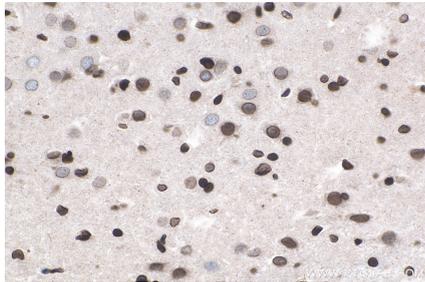
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TMPO/LAP2 antibody (67157-1-Ig, Clone: 3G4E1) at dilution of 1:2200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



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.



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).



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).