

TMPO/LAP2 Monoclonal antibody

Catalog Number: 67157-1-Ig

Basic Information

Catalog Number:

67157-1-Ig

Size:

2200 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6415

GenBank Accession Number:

BC053675

GeneID (NCBI):

7112

UNIPROT ID:

P42167

Full Name:

thymopoietin

Calculated MW:

51 kDa

Observed MW:

51 kDa, 39 kDa

Purification Method:

Protein G purification

CloneNo.:

3G4E1

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:2000-1:8000

IF/ICC 1:1000-1:4000

Applications

Tested Applications:

WB, IF, IHC, 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:

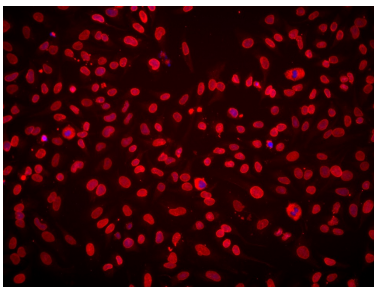
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

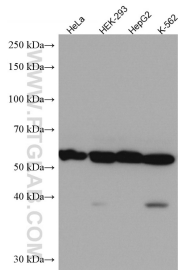
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

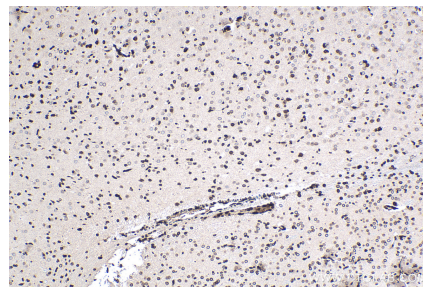
Selected Validation Data



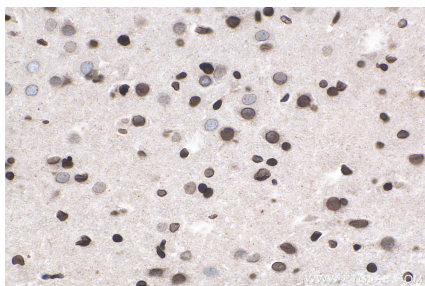
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TMPO/LAP2 antibody (67157-1-Ig, Clone: 3G4E1) at dilution of 1:2200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



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).