For Research Use Only TMPO/LAP2 Monoclonal antibody

Catalog Number:67157-1-lg



Wb, IRC, IPICC, EUSA WB, IRC, IPICC, EUSA WB, IRC, IPICC, EUSA Species Specificity: Numan, mouse, rat WB: HeLa cells, SH-SY5Y cells, HSC-T6 cells, HEK-293 Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate IHC: rat brain tissue, human liver cancer tissue, mouse brain tissue 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: Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer. PBS with 0.02% sodium azide and 50% glycerol, pH7.3 Aliquoting is unnecessary for -20°C storage	Basic Information	Catalog Number: 67157-1-lg	GenBank Accession Number: BC053675	Purification Method: Protein G purification	
Nanodrop and 1000 ug/mL by Bradford_UNIPROT ID: method using BSA as the standard; P42167 WB 12000-110000 Source: Full Name: IHC 12000-13000 Mouse thymopoletin IF/ICC 11000-14000 Isotype: Calculated MW: ISOT IgG1 51 kDa IHC 12000-13000 Immunogen Catalog Number: Observed MW: Societ AG6415 51 kDa IHC 12000-13000 Immunogen Catalog Number: Observed MW: Societs Specificity: human, mouse, rat WB :Hecl, IF/ICC, EUSA WB :Hecla cells, SH-SYSY cells, HSC-T6 cells, HEK-293 Species Specificity: human, mouse, rat HHC: rat brain tissue Note-IHC: suggested antigen retrieval with TF buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate 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 Iamin filaments to the inner nuclear membrane. TMPO gene encodes 3 thymopoletins: 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 0.029 Kodium azide and 50% glycerol, pH7.3		Size:	GenelD (NCBI):	CloneNo.:	
method using BSA as the standard; P42167 WB 1:2000-1:10000 Source: Full Name: IHC 1:2000-1:8000 Mouse thymopoletin IF/ICC 1:1000-1:4000 Isotype: Calculated MW: IgG1 51 kDa Immunogen Catalog Number: Observed MW: AG6415 51 kDa, 39 kDa Applications: WB, IHC, IF/ICC, EUSA WB: HeLa cells, SH-SYSY cells, HSC-T6 cells, HEK-293 Species Specificity: cells, HepG2 cells, S-652 cells human, mouse, rat IHC: rat brain tissue, human liver cancer tissue, mouse buffer pH 9.0; (*) Alternatively, antigen 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 atchment of lamin filaments to the inner nuclear membrane. TMPO gene encodes 3 thymopoletins: alpha (75 kD), beta (51 kD), and gamma (39 kD). Storage: Storage: Storage Suffer PRS with 0.02% sodium azide and 50% glycerol, pH7.3 Allquoting is unnecessary for -20 [°] C storage				3G4E1	
Mouse thrmePointer. IF/ICC 1:1000-1:4000 Isotype: Calculated MW: IgG1 51 kDa Immunogen Catalog Number: Observed MW: AG6415 51 kDa, 39 kDa Applications Positive Controls: WB, IHC, IF/ICC, EUSA WB: HeLa cells, SH-SYSY cells, HSC-T6 cells, HEK-293 Species Specificity: cells, HepG2 cells, SK-S62 cells human, mouse, rat IHC: rat brain tissue, human liver cancer tissue, mouse Note-IHC: suggested antigen retrieval with IF/ICC : HeLa cells, SH-SYSY cells, HSC-T6 cells, HEK-293 cells, HepG2 cells, K-562 cells IHC: rat brain tissue, human liver cancer tissue, mouse Note-IHC: suggested antigen retrieval with 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: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3 Alliquoting is unnecessary for -20°C storage		Nanodrop and 1000 ug/ml by Bradfor method using BSA as the standard;			
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Immunogen Catalog Number: Observed MW: AG6415 S1 kDa, 39 kDa Applications Tested Applications: Positive Controls: WB, IHC, IF/ICC, ELISA WB: HeLa cells, SH-SYSY cells, HSC-T6 cells, HEK-293 Species Specificity: cells, HepG2 cells, K-562 cells human, mouse, rat IHC : rat brain tissue, human liver cancer tissue, mouse Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IHC : rat brain tissue, human liver cancer tissue, mouse brain tissue 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 thymopoletins: alpha (75 kD), beta (51 kD), and gamma (39 kD). Storage Storage: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3 Aliquoting is unnecessary for -20°C storage					
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	*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage		

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.comW: ptglab.comW: 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-lg, 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 67157-1-1g (TMPO/LAP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded 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 paraffinembedded 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).