

For Research Use Only

TMPO/LAP2 Polyclonal antibody

Catalog Number: 14651-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 14651-1-AP	GenBank Accession Number: BC053675	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7112	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: thymopoietin	IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG	Calculated MW: 51 kDa	
Immunogen Catalog Number: AG6247	Observed MW: 75 kDa, 51 kDa and 39 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells
Cited Applications: IF, WB	IP : HeLa cells,
Species Specificity: human, rat	IHC : human breast cancer tissue, human liver tissue, mouse lung tissue, human liver cancer tissue, mouse brain tissue, rat brain tissue
Cited Species: bovine, human, mouse	IF : HeLa cells,

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

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Ma	34593235	J Dairy Sci	WB
Lin Zhang	27756319	World J Surg Oncol	WB
Yuhua Fu	26603343	Sci Rep	WB

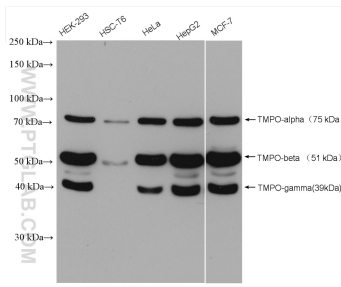
Storage

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

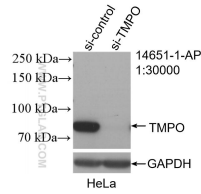
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

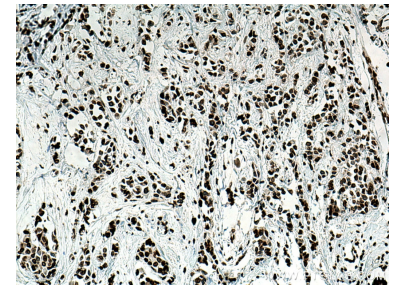
Selected Validation Data



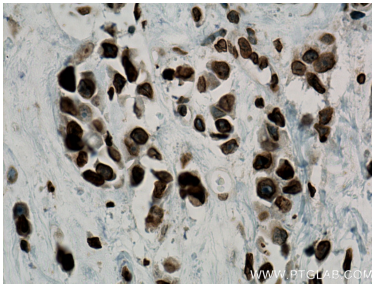
Various lysates were subjected to SDS PAGE followed by western blot with 14651-1-AP (TMPO/LAP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



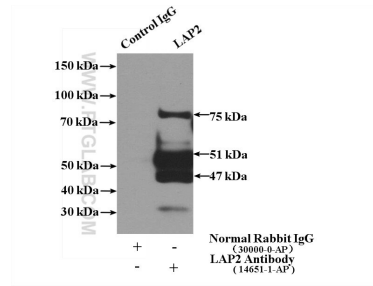
WB result of TMPO/LAP2 antibody (14651-1-AP; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMPO/LAP2 transfected HeLa cells.



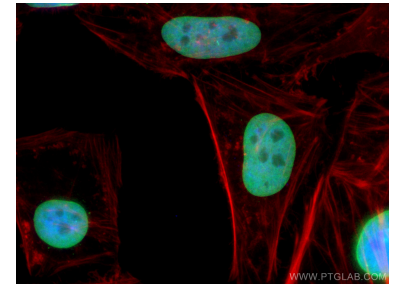
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14651-1-AP (TMPO/LAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14651-1-AP (TMPO/LAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-LAP2 (IP:14651-1-AP, 4ug; Detection:14651-1-AP 1:500) with HeLa cells lysate 1600ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TMPO/LAP2 antibody (14651-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).