

For Research Use Only

# MNT Polyclonal antibody

Catalog Number: 23742-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 23742-1-AP	<b>GenBank Accession Number:</b> BC117563	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4335	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF/ICC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99583	
<b>Isotype:</b> IgG	<b>Full Name:</b> MAX binding protein	
<b>Immunogen Catalog Number:</b> AG20666	<b>Calculated MW:</b> 582 aa, 62 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, IF/ICC : HeLa cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

## Background Information

Mnt (Max binding protein), also known as MAD6, ROX, bHLHd3 (class D basic helix-loop-helix protein 3) or MXD6, is a 582 amino acid nuclear protein that forms a complex with Max (Myc-associated factor X) to repress transcription. Mnt contains one basic helix-loop-helix (bHLH) domain and is encoded by a gene that maps to human chromosome 17p13.3. Chromosome 17 comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengyun Li	39218923	J Hematol Oncol	WB

## Storage

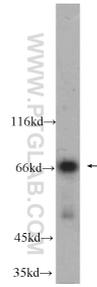
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

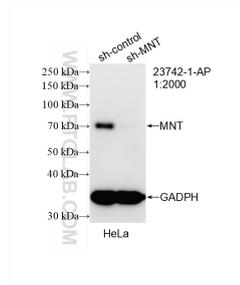
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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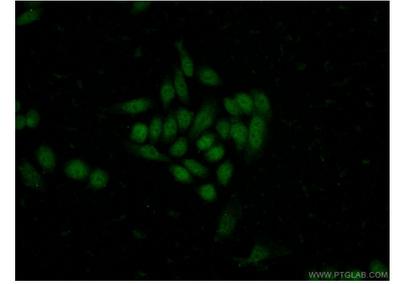
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 23742-1-AP (MNT antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of MNT antibody (23742-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MNT transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 23742-1-AP (MNT antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).