

For Research Use Only

# TPX2 Monoclonal antibody

Catalog Number: 68712-1-Ig



## Basic Information

<b>Catalog Number:</b> 68712-1-Ig	<b>GenBank Accession Number:</b> BC020207	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 22974	<b>CloneNo.:</b> 2E10C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9ULW0	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> TPX2, microtubule-associated, homolog (Xenopus laevis)	
<b>Immunogen Catalog Number:</b> AG33683	<b>Calculated MW:</b> 747 aa, 86 kDa	
	<b>Observed MW:</b> 98 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB:</b> A549 cells, HEK-293 cells, Jurkat cells, K-562 cells, MCF-7 cells, HeLa cells, U2OS cells, HSC-T6 cells, NIH/3T3 cells

## Background Information

TPX2, also known as DIL2, p10, is a microtubule organization- and cell cycle-associated protein. In the early stage of mitosis, TPX2 is released in a RanGTP-dependent manner and plays a significant role in mitotic spindle formation and subsequent proper segregation of chromosomes during cell division. Furthermore, during interphase, TPX2 is involved in DNA damage response by regulation of  $\gamma$ -H2AX signals (PMID: 25914189). Aberrant expression of TPX2 leads to improper spindle assembly and chromosomal instability. Overexpressed in cancers, TPX2 is being established as the marker for the diagnosis and prognosis of malignancies (PMID: 24556998).

## 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:

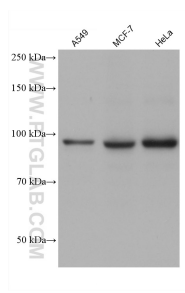
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

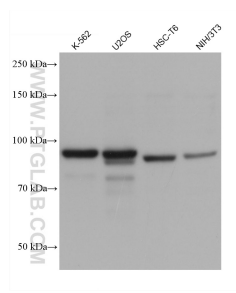
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68712-1-Ig (TPX2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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