

For Research Use Only

TPX2 Monoclonal antibody, PBS Only



Catalog Number: 68712-1-PBS

Basic Information

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat

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 γ -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 -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

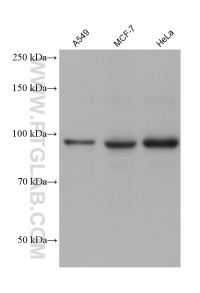
T: 4006900926

E: Proteintech-CN@ptglab.com

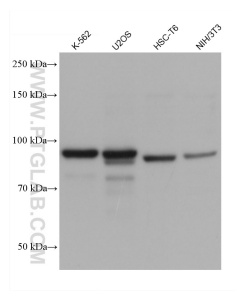
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Selected Validation Data



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. This data was developed using the same antibody clone with 68712-1-PBS in a different storage buffer formulation.



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