

TPX2 Monoclonal antibody

Catalog Number: 68712-1-Ig

Basic Information

Catalog Number:

68712-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG33683

GenBank Accession Number:

BC020207

GeneID (NCBI):

22974

UNIPROT ID:

Q9ULW0

Full Name:

TPX2, microtubule-associated,
homolog (Xenopus laevis)

Calculated MW:

747 aa, 86 kDa

Observed MW:

98 kDa

Purification Method:

Protein A purification

CloneNo.:

2E10C1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : 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 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:

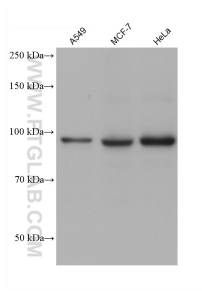
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

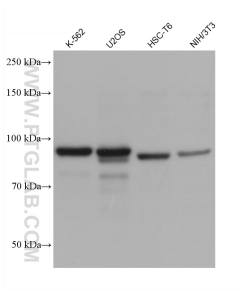
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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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