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30-1585: Anti-TPX2 Monoclonal Antibody (Clone:TPX2-01)

Clonality :	Monoclonal
Clone Name :	TPX2-01
Application :	IP, WB, IHC, ICC, ELISA
Reactivity :	Human, Mouse, Rat
Gene :	TPX2
Gene ID :	22974
Uniprot ID :	Q9ULW0
Format :	Purified
Alternative Name :	TPX2,C20orf1,C20orf2,DIL2,HCA519
Isotype :	Mouse IgG1
Immunogen Information :	Human TPX2

Description

TPX2 is a microtubule-associated protein, which is a critical regulator of mitosis. At the beginning of mitosis, TPX2 is released and plays a significant role in mitotic spindle formation and subsequent proper segregation of chromosomes during cell division. After completion of mitosis the TPX2 protein disappears, but has also role in DNA damage response. Its overexpression has been demonstrated in many types of carcinomas. TPX2 belongs to the markers of worse tumor prognosis. On the other hand, down-regulation of TPX2 can inhibit cancer cell proliferation, migration and invasion.

Product Info

Amount :	0.1 mg
Purification :	Purified from hybridoma culture supernatant by protein-A affinity chromatography.
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunoprecipitation Western Blotting Immunohistochemistry Immunocytochemistry

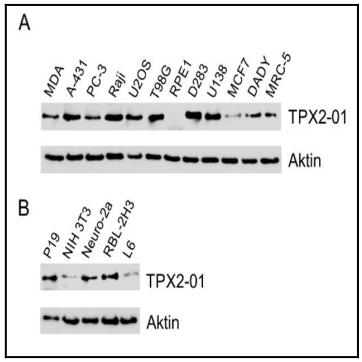


Figure 1: Western blotting analysis of TPX2 using monoclonal antibody TPX2-01 in A) human cell lines, B) murine (P19, NIH 3T3, Neuro-2a) and rat (RBL-2H3, L6) cell lines.

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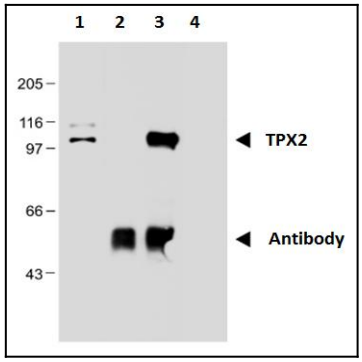


Figure 2: Immunoprecipitation of TPX2 from nuclear extract of HEK293 cells using monoclonal antibody TPX2-01. 1) nuclear extract, 2) antibody, 3) immunoprecipitate, 4) carrier

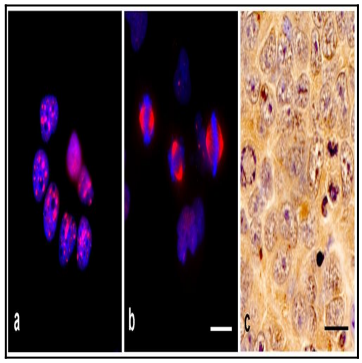


Figure 3: Immunocytochemistry of TPX2 using monoclonal antibody TPX2-01 in glioblastoma cell line T98G: a) interphase, b) mitosis. c) Immunohistochemistry of TPX2 in U87MG human glioblastoma cells (orthotopic xenograft in murine brain). Bar: 20 µm.

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