

Anti-TPX2 Purified Monoclonal Antibody

Catalog Number: M01610

About TPX2

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.

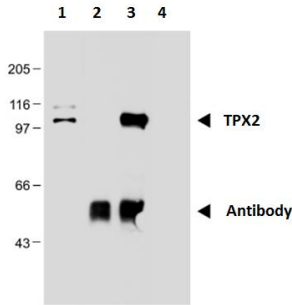
Overview

| | |
|----------------------|---|
| Product Name | Anti-TPX2 Purified Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-TPX2 Purified Monoclonal Antibody (Catalog# M01610). Tested in IP, WB, IHC-P, ICC, ELISA application(s). This antibody reacts with Rat, Mouse, Human. |
| Application | ELISA, IP, IHC-P, ICC, WB |
| Clonality | Monoclonal TPX2-01 |
| Formulation | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage Instructions | Store at 2-8°C. Do not freeze. |
| Host | Mouse |
| Uniprot ID | Q9ULW0 |

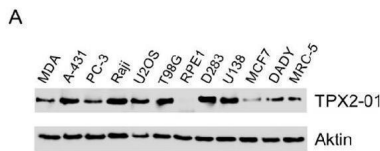
Technical Details

| | |
|----------------------------|---|
| Immunogen | Human TPX2. The mouse monoclonal antibody TPX2-01 recognizes the epitope EPFVPKKEKKS (aa 636-646 in human) of TPX2, a microtubule-associated intracellular critical regulator of mitosis, which is overexpressed in many types of tumors and is a marker of worse prognosis in various cancers. |
| Predicted Reactive Species | Primate |
| Isotype | Mouse IgG1 |
| Form | Liquid |
| Concentration | 1 mg/ml |
| Purification | Purified by protein-A affinity chromatography. |
| Suggested Dilutions | Flow cytometry: 1-4 ug/ml. |

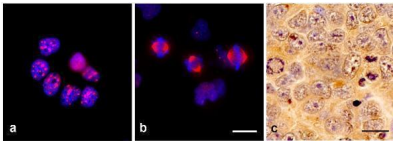
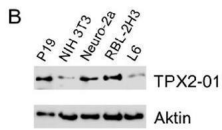
Anti-TPX2 Purified Monoclonal Antibody (M01610) Images



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



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.



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 μ m.

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