



# TPX2 Monoclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-mAb-16782                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>                   | TPX2                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human DIL-2. AA range:301-350                                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>                 | TPX2 Monoclonal Antibody detects endogenous levels of TPX2 protein.                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                      |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>                    | C20orf1;C20orf2;Differentially expressed in cancerous and non-cancerous lung cells 2;DIL 2;DIL2;TPX2;Targeting protein for Xklp2;HCA519;DIL-2;Hepatocellular carcinoma-associated antigen 519;Protein fls353;Restricted expression prolifera                                                                                                                                              |
| <b>Observed Band</b>               | 86kD                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Calculated Molecular Weight</b> | 86kD                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cell Pathway</b>                | Nucleus . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . During mitosis it is strictly associated with the spindle pole and with the mitotic spindle, whereas during S and G2, it is diffusely distributed throughout the nucleus. Is released from the nucleus in apoptotic cells and is detected on apoptotic microtubules. .                               |
| <b>Tissue Specificity</b>          | Expressed in lung carcinoma cell lines but not in normal lung tissues.                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>                    | developmental stage:Exclusively expressed in proliferating cells from the transition G1/S until the end of cytokinesis.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,subcellular location:During mitosis it is strictly associated with the spindle pole and with the mitotic spindle, whereas during S and G2, it is diffusely distributed throughout the nucleus.,tissue |



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#### Background

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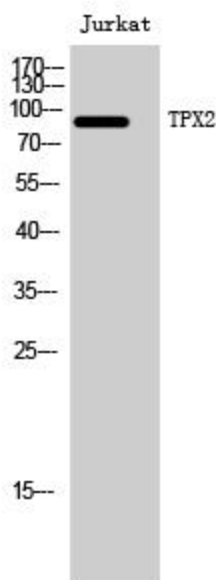
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western Blot analysis of various cells using TPX2 Monoclonal Antibody