

Mouse anti-Human TPX2 Monoclonal Antibody | anti-TPX2 antibody

Mouse Monoclonal [clone 18D5] (IgG1) to Human TPX2

CATALOG # AAA51789	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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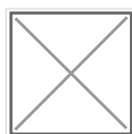
PRODUCT SYNONYMS

TPX2; Monoclonal Antibody; Mouse Monoclonal [clone 18D5] (IgG1) to Human TPX2; Anti-TPX2 Antibody (clone 18D5) IHC-plus; C20orf2; DIL-2; DIL2; HCA519; GD:C20orf1; p100; Protein fls353; Targeting protein for Xklp2; C20orf1; FLS353; HCTP4; REPP86; Human TPX2; anti-TPX2 antibody

PRODUCT SPECIFICATIONS

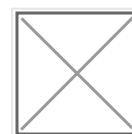
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	18D5
Specificity	Amino Acid: 1-220 of human TPX2
Purity/Purification	Affinity Purified
Form/Format	Phosphate-buffered solution, pH 7.2, 0.09% sodium azide.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	747
Applicable Applications for anti-TPX2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Recombinant human TPX2.
Immunogen Type	Recombinant protein
Immunogen	TPX2 antibody was raised against recombinant human TPX2.
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

MOLT-4 nuclear extracts were resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-TPX2 (clone 18D5) antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



IHC (Immunohistochemistry)

Anti-TPX2 antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TPX2 antibody	TPX2 is a spindle assembly factor, required for normal assembly of mitotic spindles, for normal assembly of microtubules during apoptosis, and for chromatin and/or kinetochore dependent microtubule nucleation. TPX2 mediates AURKA localization to spindle microtubules, activates AURKA by promoting its autophosphorylation at 'Thr-288', and protects this residue against dephosphorylation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20127519
NCBI GeneID	22974
NCBI Accession #	NP_036244.2
NCBI GenBank Nucleotide #	NM_012112.4
UniProt Accession #	Q9ULW0; Q96RR5; Q9H1R4; Q9NRA3; Q9UFN9; Q9UL00; Q9Y2M1
Molecular Weight	89,393 Da
NCBI Official Full Name	targeting protein for Xklp2
NCBI Official Synonym Full Names	TPX2, microtubule-associated
NCBI Official Symbol	TPX2
NCBI Official Synonym Symbols	DIL2; p100; DIL-2; HCTP4; FLS353; HCA519; REPP86; C20orf1; C20orf2; GD:C20orf1
NCBI Protein Information	targeting protein for Xklp2; protein fls353; TPX2, microtubule-associated, homolog; differentially expressed in lung cells; TPX2, microtubule-associated protein homolog; preferentially expressed in colorectal cancer; hepatocellular carcinoma-associated antigen 519; restricted expression proliferation associated protein 100; restricted expression proliferation-associated protein 100; differentially expressed in cancerous and non-cancerous lung cells 2
UniProt Protein Name	Targeting protein for Xklp2
UniProt Gene Name	TPX2
UniProt Synonym Gene Names	C20orf1; C20orf2; DIL2; HCA519; DIL-2; p100
UniProt Entry Name	TPX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tpx2-antibody-clone-18d5-western-blot-immunohistochemistry-elisa/51789>