

Rabbit anti-Human TPX2 Polyclonal Antibody | anti-TPX2 antibody

TPX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234190	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

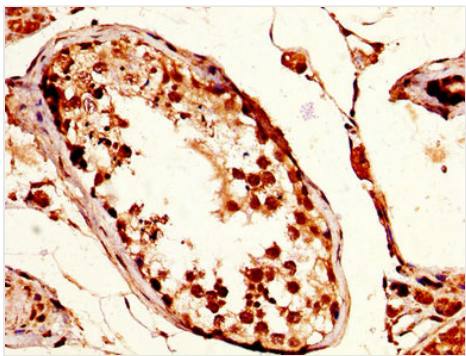
PRODUCT SYNONYMS

TPX2; Polyclonal Antibody; TPX2 Antibody; Targeting protein for Xklp2; Differentially expressed in cancerous and non-cancerous lung cells 2; DIL-2; Hepatocellular carcinoma-associated antigen 519; Hepatocellular carcinoma-associated antigen 90; Protein fls353; Restricted expression proliferation-associated protein 100; p100; C20orf1; C20orf2; DIL2; HCA519; anti-TPX2 antibody

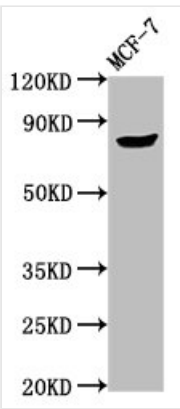
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	747
Applicable Applications for anti-TPX2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Targeting protein for Xklp2 protein (160-320AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
IHC image of AAA234190 diluted at 1:200 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
Western BlotPositive WB detected in: MCF-7 whole cell lysateAll lanes: TPX2 antibody at 3.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 86, 90 KDaObserved band size: 86, 90 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-TPX2 antibody	Spindle assembly factor required for normal assembly of mitotic spindles. Required for normal assembly of microtubules during apoptosis. Required for chromatin and/or kinetochore dependent microtubule nucleation. Mediates AURKA localization to spindle microtubules (PubMed:18663142, PubMed:19208764). Activates AURKA by promoting its autophosphorylation at 'Thr-288' and protects this residue against dephosphorylation (PubMed:18663142, PubMed:19208764). TPX2 is inactivated upon binding to importin-alpha (PubMed:26165940). At the onset of mitosis, GOLGA2 interacts with importin-alpha, liberating TPX2 from importin-alpha, allowing TPX2 to activates AURKA kinase and stimulates local microtubule nucleation (PubMed:26165940).
Product Categories/Family for anti-TPX2 antibody	Epigenetics and Nuclear Signaling; Cancer; Cell biology

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 nucleation factor
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
UniProt Protein Name	Targeting protein for Xklp2
UniProt Gene Name	TPX2
UniProt Synonym Gene Names	C20orf1; C20orf2; DIL2; HCA519; DIL-2; p100

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/polyclonal/tpx2-antibody-immunohistochemistry-western-blot-elisa/234190>