

Rabbit anti-Human P100 Polyclonal Antibody | anti-TPX2 antibody

P100 Antibody

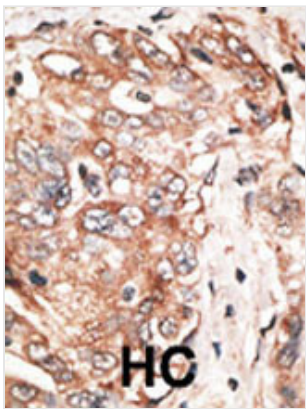
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288389	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

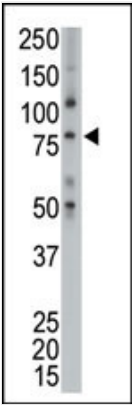
P100; Polyclonal Antibody; P100 Antibody; Targeting protein for Xklp2; Differentially expressed in cancerous and non-cancerous lung cells 2; DIL-2; Hepatocellular carcinoma-associated antigen 519; Hepatocellular carcinoma-associated antigen 90; Protein fls353; Restricted expression proliferation-associated protein 100; p100; TPX2; C20orf1; C20orf2; DIL2; HCA519; anti-TPX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This P100 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 350-382 amino acids from human P100.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	350-382
Sequence Length	783
Applicable Applications for anti-TPX2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-p100 Pab is used in Western blot to detect p100 in placenta lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-TPX2 antibody	The nuclear protein p100 is a proliferation-associated protein whose expression is restricted to cell cycle phases S, G2, and M. Exclusively expressed in proliferating cells from the transition G1/S until the end of cytokinesis. 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. The full-length cDNA encodes a 747-amino acid protein with a putative ATP/GTP-binding site motif. RT-PCR analysis demonstrated strong expression of in lung carcinoma cell lines but not in normal lung tissues. Expression was also found in adult placenta, skeletal muscle, thymus, testis, and small intestine and in fetal brain, liver, and kidney. P100 is also correlated to cancer prognosis.
Product Categories/Family for anti-TPX2 antibody	Cancer; Cell biology
References	Ota, T., et al., Nat. Genet. 36(1):40-45 (2004). Heidebrecht, H.J., et al., Mol. Cancer Res. 1(4):271-279 (2003). Garrett, S., et al., Curr. Biol. 12(23):2055-2059 (2002). Gruss, O.J., et al., Nat. Cell Biol. 4(11):871-879 (2002). Kufer, T.A., et al., J. Cell Biol. 158(4):617-623 (2002).

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	85653
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
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/polyclonal/p100-antibody-immunohistochemistry-western-blot-elisa/288389>