

微管相关同源蛋白 TPX2 抗体

产品货号： mlR4285

英文名称： TPX2

中文名称： 微管相关同源蛋白 TPX2 抗体

别名： C20ORF1; C20orf2; Chromosome 20 Open Reading Frame 1; Differentially expressed in cancerous and non-cancerous lung cells 2; Differentially expressed in cancerous and noncancerous lung cells 2; Differentially expressed in lung cells 2; Differentially expressed in lung cells; DIL 2; DIL-2; DIL2; FLS353; GD:C20orf1; HCA 519; HCA519; HCTP 4; HCTP4; Hepatocellular carcinoma associated antigen 519; Hepatocellular carcinoma-associated antigen 519; p100; Preferentially expressed in colorectal cancer; Protein FLS353; REPP 86; repp86; Restricted expression proliferation associated protein 100; Restricted expression proliferation-associated protein 100; Targeting protein for XKLP2; TPX 2; TPX2; TPX2 microtubule associated homolog; TPX2 microtubule associated protein homolog; TPX2_HUMAN.

研究领域： 肿瘤 细胞生物 免疫学 染色质和核信号 细胞周期蛋白 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 86kDa

细胞定位： 细胞核 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human TPX2:551-650/747

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed : PubMed

产品介绍 : TPX2 is essential for spindle pole and mitotic spindle formulation, playing a role in the S and G2 phases of mitosis. It is also critical for the function of protein kinase Aurora A. TPX2 autophosphorylates Aurora A, targeting it to the spindle apparatus and allowing it to function in eukaryotic meiotic and mitotic cell cycles. TPX2 has also been found to be highly expressed in cancer cells.

Function:

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. Activates AURKA by promoting its autophosphorylation at 'Thr-288' and protects this residue against dephosphorylation.

Subunit:

Interacts with AURKA.

Subcellular Location:

Nucleus. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Note=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.

Tissue Specificity:

Expressed in lung carcinoma cell lines but not in normal lung tissues.

Similarity:

Belongs to the TPX2 family.

SWISS:

Q9ULW0

Gene ID:

22974

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

