

MPP1 Polyclonal Antibody

Catalog No :	YT2823
Reactivity :	Human;Mouse
Applications :	IF;ELISA;IHC
Target :	MPP1
Gene Name :	KIF20B
Protein Name :	Kinesin-like protein KIF20B
Human Gene Id :	9585
Human Swiss Prot No :	Q96Q89
Mouse Swiss Prot No :	Q80WE4
Immunogen :	The antiserum was produced against synthesized peptide derived from human KIF20B. AA range:1771-1820
Specificity :	MPP1 Polyclonal Antibody detects endogenous levels of MPP1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF ICC 1:50-300; ELISA 1:2000-20000; IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	210kD

Background :

KIF20B (Kinesin Family Member 20B) is a Protein Coding gene. Among its related pathways are Golgi-to-ER retrograde transport and Factors involved in megakaryocyte development and platelet production. GO annotations related to this gene include ATPase activity and microtubule motor activity. An important paralog of this gene is KIF23.

Function :

M phase of mitotic cell cycle, mitotic cell cycle, M phase, nuclear division, microtubule-based process, microtubule-based movement, cell cycle, cell cycle arrest, mitosis, regulation of mitosis, regulation of mitotic cell cycle, regulation of cell cycle process, cell cycle process, cell cycle phase, regulation of organelle organization, organelle fission, cell division, regulation of cell cycle, regulation of nuclear division,

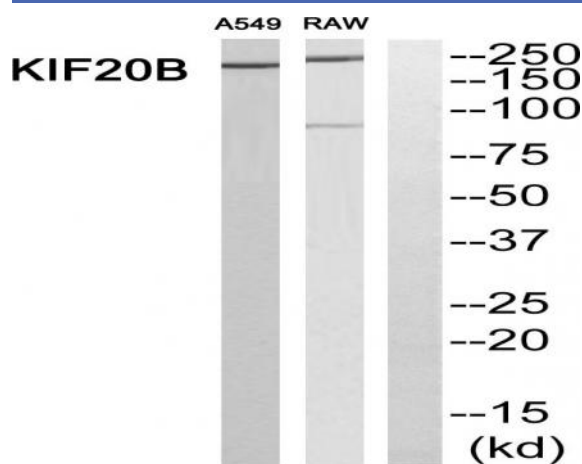
Subcellular Location :

Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Nucleus, nucleolus . Nucleus, nucleoplasm . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . Midbody . Cell projection, axon . Cell projection, growth cone . Localizes mainly in the nucleus during interphase although it is also detected in the cytoplasm without clear association with microtubules (PubMed:12740395). Localized to the central spindle during cytokinetic furrowing and with the midbody during abscission (PubMed:12740395, PubMed:17409436). A 2-3 fold expression increase is seen as cells progress from G1 to G2/M phase (PubMed:12740395). During prophase and metaphase it is found throughout the cytoplasm and at anaphase accumulates at the midplan of the cell and forms a distinct

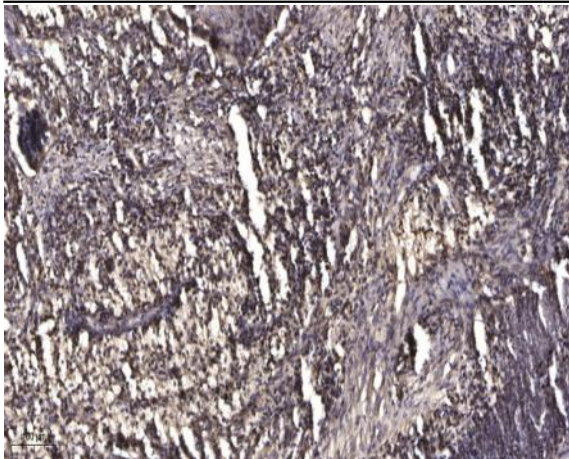
Expression :

Brain, ovary, kidney and testis (at protein level) (PubMed:12740395). Overexpressed in bladder cancer cells (at protein level) (PubMed:17409436). Expressed in testis. Overexpressed in bladder cancer cells (PubMed:17409436).

Products Images



Western blot analysis of KIF20B Antibody. The lane on the right is blocked with the KIF20B peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).