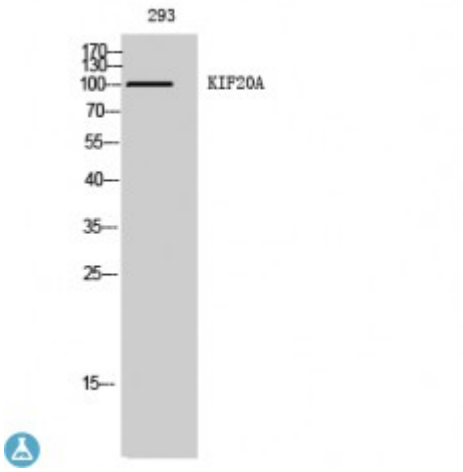
Anti-KIF20A antibody



Description	Rabbit polyclonal to KIF20A.

Model	STJ93835
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human KIF20A around the non-phosphorylation site of S528.
Immunogen Region	470-550 aa
Gene ID	10112
Gene Symbol	KIF20A
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	KIF20A Polyclonal Antibody detects endogenous levels of KIF20A protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Kinesin-like protein KIF20A GG10_2 Mitotic kinesin-like protein 2 MKlp2 Rab6-interacting kinesin-like protein Rabkinesin-6
Molecular Weight	100 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9787OMIM:605664
Alternative Names	Kinesin-like protein KIF20A GG10_2 Mitotic kinesin-like protein 2 MKlp2 Rab6-interacting kinesin-like protein Rabkinesin-6
Function	Mitotic kinesin required for chromosome passenger complex (CPC)-mediated cytokinesis. Following phosphorylation by PLK1, involved in recruitment of PLK1 to the central spindle. Interacts with guanosine triphosphate (GTP)-bound forms of RAB6A and RAB6B. May act as a motor required for the retrograde RAB6 regulated transport of Golgi membranes and associated vesicles along microtubules. Has a microtubule plus end-directed motility.
Cellular Localization	Golgi apparatus Cytoplasm, cytoskeleton, spindle
Post-translational Modifications	Phosphorylated by PLK1 at Ser-528 during mitosis, creating a docking site for PLK1 and recruiting PLK1 at central spindle.