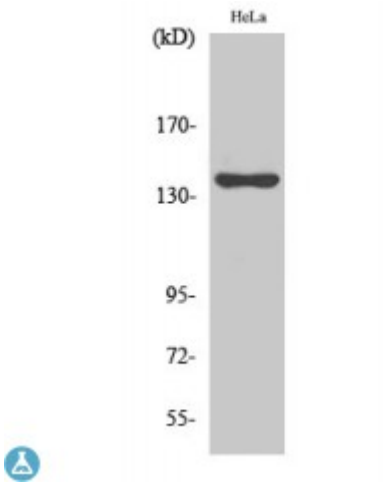
Anti-KIF4A antibody



Description	Rabbit polyclonal to KIF4A.

Model	STJ93837
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human KIF4A
Immunogen Region	1140-1220 aa, C-terminal
Gene ID	24137
Gene Symbol	KIF4A
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	KIF4A Polyclonal Antibody detects endogenous levels of KIF4A protein.
Tissue Specificity	Highly expressed in hematopoietic tissues, fetal liver, spleen, thymus and adult thymus and bone marrow. Lower levels are found in heart, testis, kidney, colon and lung.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Chromosome-associated kinesin KIF4A Chromokinesin-A
Molecular Weight	140 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:13339OMIM:300521
Alternative Names	Chromosome-associated kinesin KIF4A Chromokinesin-A
Function	Motor protein that translocates PRC1 to the plus ends of interdigitating spindle microtubules during the metaphase to anaphase transition, an essential step for the formation of an organized central spindle midzone and midbody and for successful cytokinesis. May play a role in mitotic chromosomal positioning and bipolar spindle stabilization.
Cellular Localization	Nucleus matrix. Cytoplasm, cytoskeleton, spindle. Midbody. Chromosome. Not present in the nucleolus. In early mitosis, associated with the mitotic spindle, in anaphase, localized to the spindle midzone and, in telophase and cytokinesis, to the midbody. In late cytokinesis, found in the center of the midbody. Associated with chromosomes at all stages of mitosis.