

Rabbit anti-Human KIF4A Polyclonal Antibody | anti-KIF4A antibody

KIF4A Polyclonal Antibody

CATALOG # AAA295122	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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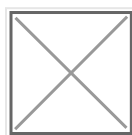
PRODUCT SYNONYMS

KIF4A; Polyclonal Antibody; KIF4A Polyclonal Antibody; KIF4; Chromosome-associated kinesin KIF4A; Chromokinesin-A; anti-KIF4A antibody

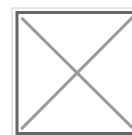
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Applicable Applications for anti-KIF4A antibody	WB (Western Blot)
Cellular Location	Nucleus matrix. Cytoplasm. Cytoplasm, cytoskeleton, spindle Midbody Chromosome. Note=Associates with chromosomes at all stage of mitosis (PubMed:11736643, PubMed:15297875, PubMed:15625105) Chromatin localization is dependent on iron-sulfur cluster binding (PubMed:29848660). In anaphase, associates with the mitotic spindle midzone (PubMed:15297875). In telophase and cytokinesis, co-localizes with CIAO2B at the spindle midzone and midbody (PubMed:29848660, PubMed:15297875). Co-localizes with PRC1 in early mitosis and at the spindle midzone from anaphase B to telophase (PubMed:15297875, PubMed:15625105). Does not localize to the nucleolus (PubMed:11736643)
Tissue Location	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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

Related Product Information for anti-KIF4A antibody	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. Iron-sulfur (Fe-S) cluster binding motor protein that has a role in chromosome segregation during mitosis (PubMed:29848660). 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 (PubMed:15297875, PubMed:15625105). May play a role in mitotic chromosomal positioning and bipolar spindle stabilization (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116686122
NCBI GeneID	24137
NCBI Accession #	NP_036442.3
NCBI GenBank Nucleotide #	NM_012310.4
UniProt Accession #	O95239; Q86TN3; Q86XX7; Q9NNY6; Q9NY24; Q9UMW3; B2R7V5; D3DVU4
Molecular Weight	139,881 Da
NCBI Official Full Name	chromosome-associated kinesin KIF4A
NCBI Official Synonym Full Names	kinesin family member 4A
NCBI Official Symbol	KIF4A
NCBI Official Synonym Symbols	KIF4; KIF4G1
NCBI Protein Information	chromosome-associated kinesin KIF4A; chromokinesin-A
UniProt Protein Name	Chromosome-associated kinesin KIF4A
UniProt Gene Name	KIF4A
UniProt Synonym Gene Names	KIF4
UniProt Entry Name	KIF4A_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/kif4a-antibody-western-blot-elisa/295122>