

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

KIF4A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324613	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

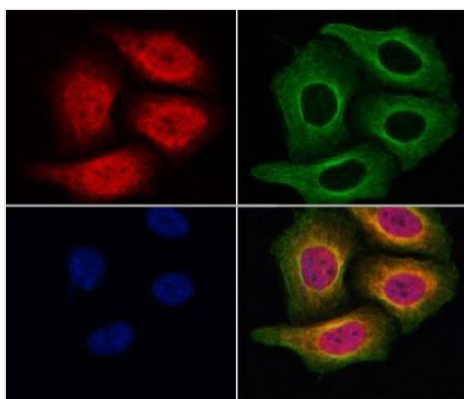
PRODUCT SYNONYMS

KIF4A; Polyclonal Antibody; KIF4A Antibody; Chromokinesin; Chromokinesin-A; Chromosome associated kinesin KIF4A; Chromosome-associated kinesin KIF4A; FLJ12530; FLJ12655; FLJ14204; FLJ20631; HSA271784; KIF4; KIF4 G1; KIF4A_HUMAN; KIF4G1; Kinesin family member 4A; anti-KIF4A antibody

PRODUCT SPECIFICATIONS

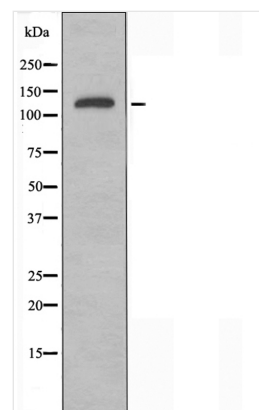
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	KIF4A antibody detects endogenous levels of total KIF4A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	IgG Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1232
Applicable Applications for anti-KIF4A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KIF4A, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



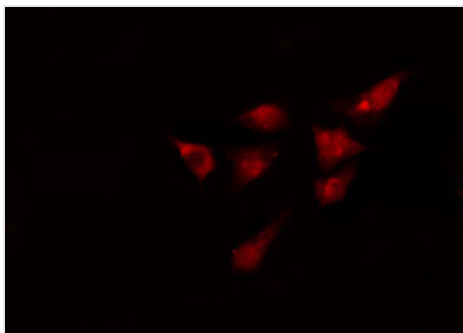
IF (Immunofluorescence)

AAA324613 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA324613 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using KIF4A antibody.



IF (Immunofluorescence)

AAA324613 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF4A antibody

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.

Subunit Structure: Interacts with unphosphorylated PRC1 during late mitosis.

Similarity: Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Chromokinesin subfamily.

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	Observed: 140 kD Predicted: 140 kDa
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; MRX100
NCBI Protein Information	chromosome-associated kinesin KIF4A
UniProt Protein Name	Chromosome-associated kinesin KIF4A
UniProt Gene Name	KIF4A
UniProt Synonym Gene Names	KIF4

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-immunocytochemistry-immunofluorescence-western-blot-elisa/324613>