

Rabbit anti-Human KIF18A Polyclonal Antibody | anti-KIF18A antibody

Rabbit anti-KIF18A Antibody, Affinity Purified

CATALOG # AAA211305	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

KIF18A; Polyclonal Antibody; Rabbit anti-KIF18A Antibody; Affinity Purified; kinesin-like protein KIF18A; Marrow stromal KIF18A; MS-KIF18A; PPP1R99; protein phosphatase 1; regulatory subunit 99; Kinesin-like protein KIF18A; kinesin family member 18A; anti-KIF18A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-KIF18A antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 848 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human KIF18A by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-KIF18A antibody (AAA211305 lot 5) used for WB at 0.2 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human KIF18A by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-KIF18A antibody (AAA211305 lot 5) used for IP at 6 ug per reaction. KIF18A was also immunoprecipitated by a previous lot of this antibody (AAA211305 lot 4) and a second antibody against a different epitope of KIF18A. For blotting immunoprecipitated KIF18A, AAA211305 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF18A antibody

The kinesin superfamily of proteins consists of over forty KIF motor proteins that function in intracellular transport along microtubules. Kinesin activity has been linked to various cellular functions such as vesicle transport, mitotic spindle formation, chromosome segregation, chromosome congression, and cytokinesis. Structurally, all kinesins contain a motor domain with microtubule and nucleotide binding sites that utilize ATP to target cargo along microtubule filaments. KIF18 has been demonstrated to be a microtubule depolymerase essential for chromosome alignment at the spindle equator.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	81930
UniProt Accession #	Q8NI77
UniProt Protein Name	Kinesin-like protein KIF18A
UniProt Gene Name	KIF18A
UniProt Synonym Gene Names	MS-KIF18A

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/kif18a-antibody-immunoprecipitation-western-blot-elisa/211305>