

Rabbit anti-Human KIF14 Polyclonal Antibody | anti-KIF14 antibody

Rabbit anti-KIF14 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211216	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

KIF14; Polyclonal Antibody; Rabbit anti-KIF14 Antibody; Affinity Purified; kinesin-like protein KIF14; MCPH20; epididymis secretory sperm binding protein; MKS12; Kinesin-like protein KIF14; kinesin family member 14; anti-KIF14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-KIF14 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1598 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 KIF14 by western blot. Samples: Whole cell lysate (25 ug) from HeLa, HEK293T, K-562, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-KIF14 antibody (AAA211216 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human KIF14 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-KIF14 antibody (AAA211216 lot 2) used for IP at 6 ug per reaction. KIF14 was also immunoprecipitated by a previous lot of this antibody (AAA211216 lot 1) and a second antibody against a different epitope of KIF14. For blotting immunoprecipitated KIF14, AAA211216 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human KIF14 by immunohistochemistry and immunocytochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-KIF14 (Cat. No. AAA211216 Lot2) used at a dilution of 1:200 (1ug/ml). Detection: DAB.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF14 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, and cytokinesis. Structurally, all kinesins contain a motor domain with microtubule and nucleotide binding sites that utilize ATP to target cargo along microtubule filaments. KIF14 silencing experiments suggest that KIF14 plays a multi-functional role in mitosis and cytokinesis. KIF14 has also been identified as a candidate oncogene whose overexpression may lead to genomic instability and act as a reporter of poor-prognosis in breast cancer.
Product Categories/Family for anti-KIF14 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661878
NCBI GeneID	9928
NCBI Accession #	NP_055690.1
NCBI GenBank Nucleotide #	NM_014875.2
UniProt Accession #	Q15058 ; Q14CI8 ; Q4G0A5 ; Q5T1W3
Molecular Weight	186,492 Da
NCBI Official Full Name	kinesin-like protein KIF14 isoform 1
NCBI Official Synonym Full Names	kinesin family member 14
NCBI Official Symbol	KIF14
NCBI Official Synonym Symbols	MKS12; MCPH20
NCBI Protein Information	kinesin-like protein KIF14
UniProt Protein Name	Kinesin-like protein KIF14
UniProt Gene Name	KIF14
UniProt Synonym Gene Names	KIAA0042
UniProt Entry Name	KIF14_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/kif14-antibody-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/211216>