

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

KIF14 Antibody

CATALOG # AAA232841	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
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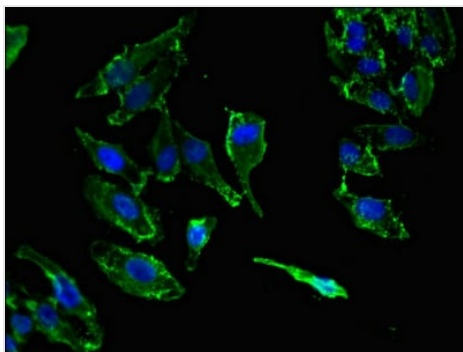
PRODUCT SYNONYMS

KIF14; Polyclonal Antibody; KIF14 Antibody; Kinesin-like protein KIF14Curated; anti-KIF14 antibody

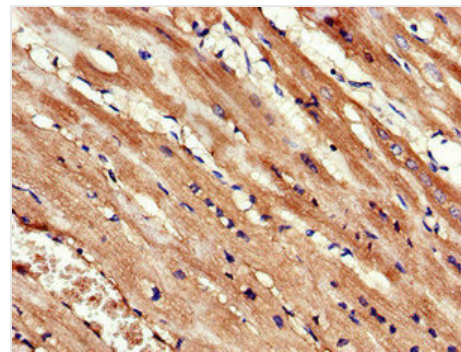
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1157
Applicable Applications for anti-KIF14 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Kinesin-like protein KIF14 protein (261-531AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-48559 / sc-48560 / sc-48561 / sc-48562
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

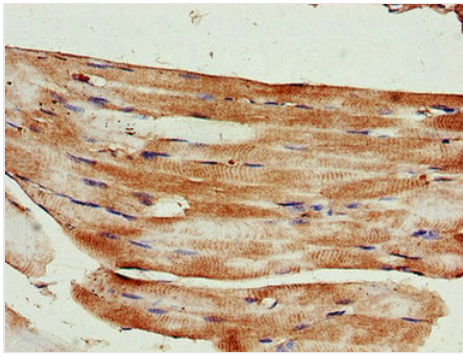
IMAGES


IHC (Immunohistochemisry)

Immunofluorescent analysis of HepG2 cells using AAA232841 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human heart tissue using AAA232841 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA232841 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-KIF14 antibody	Microtubule motor protein that binds to microtubules with high affinity through each tubulin heterodimer and has an ATPase activity (By similarity). Plays a role in many processes like cell division, cytokinesis and also in cell proliferation and apoptosis (PubMed: 24784001, PubMed: 16648480). During cytokinesis, targets to central spindle and midbody through its interaction with PRC1 and CIT respectively (PubMed: 16431929). Regulates cell growth through regulation of cell cycle progression and cytokinesis (PubMed: 24854087). During cell cycle progression acts through SCF-dependent proteasomal ubiquitin-dependent protein catabolic process which controls CDKN1B degradation, resulting in positive regulation of cyclins, including CCNE1, CCND1 and CCNB1 (PubMed: 24854087). During late neurogenesis, regulates the cerebellar, cerebral cortex and olfactory bulb development through regulation of apoptosis, cell proliferation and cell division (By similarity). Also is required for chromosome congression and alignment during mitotic cell cycle process (PubMed: 15843429). Regulates cell spreading, focal adhesion dynamics, and cell migration through its interaction with RADIL resulting in regulation of RAP1A-mediated inside-out integrin activation by tethering RADIL on microtubules (PubMed: 23209302).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	795881084
NCBI GeneID	9928
NCBI Accession #	NP_001292721.1
NCBI GenBank Nucleotide #	NM_001305792.1
UniProt Accession #	Q15058; Q14CI8; Q4G0A5; Q5T1W3
Molecular Weight	186,492 Da
NCBI Official Full Name	kinesin-like protein KIF14 isoform 2
NCBI Official Synonym Full Names	kinesin family member 14
NCBI Official Symbol	KIF14
NCBI Official Synonym Symbols	MKS12
NCBI Protein Information	kinesin-like protein KIF14
UniProt Protein Name	Kinesin-like protein KIF14
UniProt Gene Name	KIF14
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.