

Rabbit anti-Human KIF20B Polyclonal Antibody | anti-KIF20B antibody

KIF20B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234488	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

KIF20B; Polyclonal Antibody; KIF20B Antibody; Kinesin-like protein KIF20B; Cancer/testis antigen 90; CT90; Kinesin family member 20B; anti-KIF20B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1820
Applicable Applications for anti-KIF20B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Kinesin-like protein KIF20B protein (1607-1731AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234488 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234488 diluted at 1:400 and staining in paraffin-embedded human pancreatic cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234488 diluted at 1:400 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-KIF20B antibody	Plus-end-directed motor enzyme that is required for completion of cytokinesis (PubMed:11470801, PubMed:12740395). Required for proper midbody organization and abscission in polarized cortical stem cells. Plays a role in the regulation of neuronal polarization by mediating the transport of specific cargos. Participates in the mobilization of SHTN1 and in the accumulation of PIP3 in the growth cone of primary hippocampal neurons in a tubulin and actin-dependent manner. In the developing telencephalon, cooperates with SHTN1 to promote both the transition from the multipolar to the bipolar stage and the radial migration of cortical neurons from the ventricular zone toward the superficial layer of the neocortex. Involved in cerebral cortex growth (By similarity). Acts as an oncogene for promoting bladder cancer cells proliferation, apoptosis inhibition and carcinogenic progression (PubMed:17409436).
Product Categories/Family for anti-KIF20B antibody	Cell Biology; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	546231677
NCBI GeneID	9585
NCBI Accession #	NP_001271188.1
NCBI GenBank Nucleotide #	NM_001284259.1
UniProt Accession #	Q96Q89; O43277; Q09471; Q2KQ73; Q32NE1; Q561V3; Q58EX8; Q5T9M8; Q5T9M9; Q5T9N0; Q5T9N1; A8MXM7
Molecular Weight	59,621 Da
NCBI Official Full Name	kinesin-like protein KIF20B isoform 1
NCBI Official Synonym Full Names	kinesin family member 20B
NCBI Official Symbol	KIF20B
NCBI Official Synonym Symbols	CT90; MPP1; KRMP1; MPP-1; MPHOSPH1
NCBI Protein Information	kinesin-like protein KIF20B
UniProt Protein Name	Kinesin-like protein KIF20B
UniProt Gene Name	KIF20B
UniProt Synonym Gene Names	MPP1

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.