

Rabbit KLC1 Polyclonal Antibody | anti-KLC1 antibody

KLC1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284037	Rabbit	Human (Predicted Reactivity: Rat)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

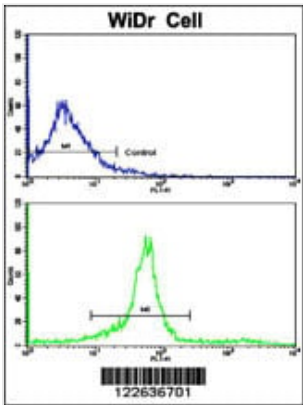
PRODUCT SYNONYMS

KLC1; Polyclonal Antibody; KLC1 Antibody (Center); Kinesin light chain 1; KLC 1; KLC; KNS2; anti-KLC1 antibody

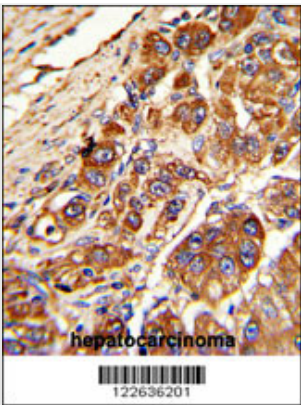
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-415 amino acids from the Central region of human KLC1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	389-415
Sequence Length	618
Applicable Applications for anti-KLC1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

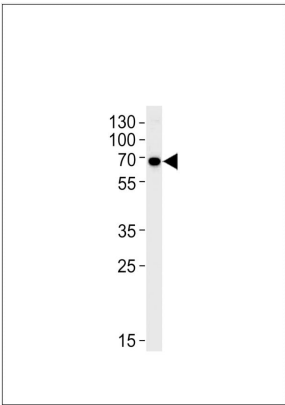
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of widr cells using KLC1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with KLC1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
KLC1 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the KLC1 antibody detected the KLC1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KLC1 antibody	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. The light chain may function in coupling of cargo to the heavy chain or in the modulation of its ATPase activity.
Product Categories/Family for anti-KLC1 antibody	Crown Antibodies; Neuroscience; Signal Transduction
References	Chernajovsky,Y., et.al., DNA Cell Biol. 15 (11), 965-974 (1996) Gyoeva,F.K., et.al., J. Cell. Sci. 113 (PT 11), 2047-2054 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	194306559
NCBI GeneID	3831
NCBI Accession #	NP_001123579.1; NP_005543.2; NP_891553.2
NCBI GenBank Nucleotide #	NM_001130107.1
UniProt Accession #	Q07866; Q7RTM2; Q7RTM3; Q7RTM5; Q7RTP9; Q7RTQ3; Q7RTQ5; Q7RTQ6; Q86SF5; Q86TF5; A6NF62; F8VTM4
Molecular Weight	65310

NCBI Official Full Name	kinesin light chain 1 isoform 3
NCBI Official Synonym Full Names	kinesin light chain 1
NCBI Official Symbol	KLC1
NCBI Official Synonym Symbols	KLC; KNS2; KNS2A
NCBI Protein Information	kinesin light chain 1
UniProt Protein Name	Kinesin light chain 1
UniProt Gene Name	KLC1
UniProt Synonym Gene Names	KLC; KNS2; KLC 1
UniProt Entry Name	KLC1_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/klc1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/284037>