

Rabbit KLC1 Polyclonal Antibody | anti-KLC1 antibody

KLC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307467	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

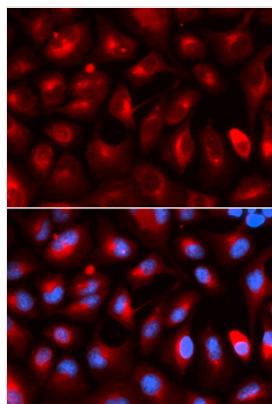
PRODUCT SYNONYMS

KLC1; Polyclonal Antibody; KLC1 Antibody; KLC; KNS2; KNS2A; RP11-73M18.7; RP11-73M18.8; anti-KLC1 antibody

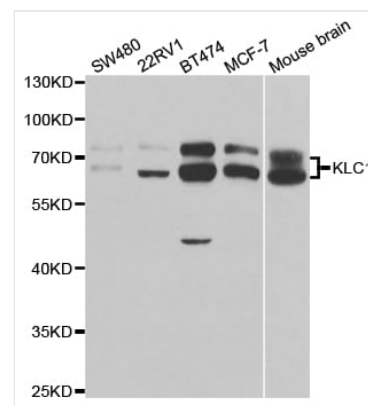
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total KLC1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	618
Applicable Applications for anti-KLC1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human KLC1.
Target Name	KLC1
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using KLC1 antibody. Blue: DAPI for nuclear staining.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using KLC1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KLC1 antibody	Conventional kinesin is a tetrameric molecule composed of two heavy chains and two light chains, and transports various cargos along microtubules toward their plus ends. The heavy chains provide the motor activity, while the light chains bind to various cargos. This gene encodes a member of the kinesin light chain family. It associates with kinesin heavy chain through an N-terminal domain, and six tetratricopeptide repeat (TPR) motifs are thought to be involved in binding of cargos such as vesicles, mitochondria, and the Golgi complex. Thus, kinesin light chains function as adapter molecules and not motors per se. Although previously named "kinesin 2", this gene is not a member of the kinesin-2 / kinesin heavy chain subfamily of kinesin motor proteins. Extensive alternative splicing produces isoforms with different C-termini that are proposed to bind to different cargos; however, the full-length nature and/or biological validity of most of these variants have not been determined.
Product Categories/Family for anti-KLC1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	194306559
NCBI GeneID	3831
NCBI Accession #	NP_001123579.1
NCBI GenBank Nucleotide #	NM_001130107.1
UniProt Accession #	Q07866; Q7RTM2; Q7RTM3; Q7RTM5; Q7RTP9; Q7RTQ3; Q7RTQ5; Q7RTQ6; Q86SF5; Q86TF5; A6NF62; F8VTM4
Molecular Weight	69,765 Da
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-immunofluorescence-immunohistochemistry-western-blot-elisa/307467>