

Rabbit KLC3 Polyclonal Antibody | anti-KLC3 antibody

KLC3 Antibody (Center)

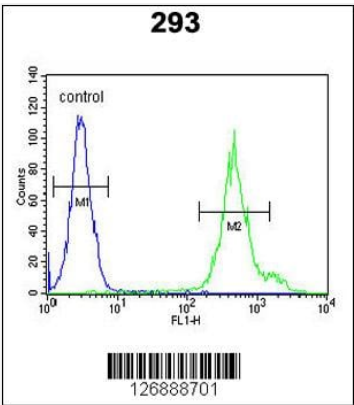
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289127	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

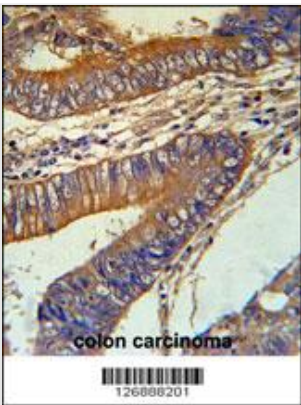
KLC3; Polyclonal Antibody; KLC3 Antibody (Center); Kinesin light chain 3; KLC2-like; kinesin light chain 2; KLC2; KLC2L; anti-KLC3 antibody

PRODUCT SPECIFICATIONS

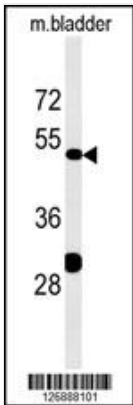
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 245-274 amino acids from the Central region of human KLC3.
Purity/Purification	Peptide 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	245-274
Sequence Length	518
Applicable Applications for anti-KLC3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.



FCM/FACS (Flow Cytometry)
KLC3 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
KLC3 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KLC3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
KLC3 Antibody (Center) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the KLC3 antibody detected the KLC3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KLC3 antibody	KLC3 encodes a member of the kinesin light chain gene family. Kinesins are molecular motors involved in the transport of cargo along microtubules, and are composed of two kinesin heavy chain (KHC) and two kinesin light chain (KLC) molecules. KLCs are thought to typically be involved in binding cargo and regulating kinesin activity. In the rat, a protein similar to this gene product is expressed in post-meiotic spermatids, where it associates with structural components of sperm tails and mitochondria.
Product Categories/Family for anti-KLC3 antibody	Signal Transduction
References	Zhang, Y., et al. Dev. Biol. 275(1):23-33(2004) Bhullar, B., et al. J. Biol. Chem. 278(18):16159-16168(2003) Junco, A., et al. Biol. Reprod. 64(5):1320-1330(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	91825557
NCBI GeneID	147700
NCBI Accession #	NP_803136.2
NCBI GenBank Nucleotide #	NM_177417.2

UniProt Accession #	Q6P597; Q6GMU2; Q8NAL1; Q8WWJ9; A0AVM3; A2RUT6
Molecular Weight	55364
NCBI Official Full Name	kinesin light chain 3
NCBI Official Synonym Full Names	kinesin light chain 3
NCBI Official Symbol	KLC3
NCBI Official Synonym Symbols	KLC2; KLCt; KLC2L; KNS2B
NCBI Protein Information	kinesin light chain 3
UniProt Protein Name	Kinesin light chain 3
UniProt Gene Name	KLC3
UniProt Synonym Gene Names	KLC2; KLC2L
UniProt Entry Name	KLC3_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://www.aaabiotech.com/polyclonal/klc3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289127>