

Rabbit anti-Human KLC2 Polyclonal Antibody | anti-KLC2 antibody

KLC2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284516	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

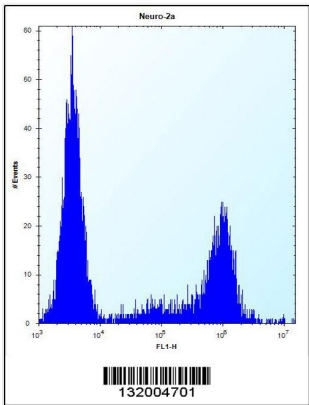
PRODUCT SYNONYMS

KLC2; Polyclonal Antibody; KLC2 Antibody (N-term); Kinesin light chain 2; KLC 2; anti-KLC2 antibody

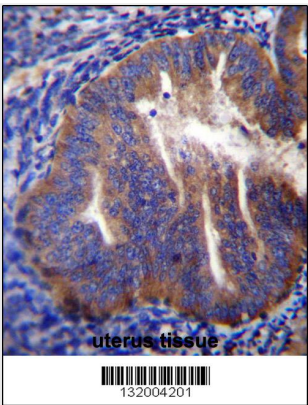
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-156 amino acids from the N-terminal region of human KLC2.
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: 0.35 (varies by lot)
Sequence Positions	128-156
Sequence Length	545
Applicable Applications for anti-KLC2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
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.

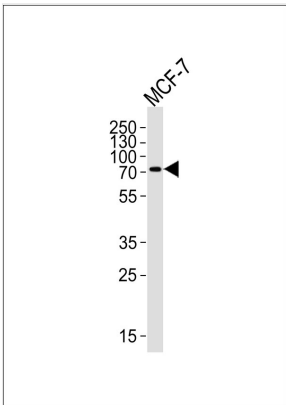
IMAGES



FCM/FACS (Flow Cytometry)
KLC2 Antibody (N-term) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
KLC2 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of KLC2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysate from MCF-7 cell line, using KLC2 Antibody (N-term). AAA284516 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-KLC2 antibody	Kinesin is a molecular motor that generates ATP-dependent movement of vesicles and organelles along microtubules. Kinesin consists of 2 light chains, such as KLC2, and 2 heavy chains (see KIF5B; MIM 602809) in a 1:1 stoichiometric ratio (Rahman et al., 1998 [PubMed 9624122]).
Product Categories/Family for anti-KLC2 antibody	Signal Transduction
References	Trejo, H.E., et al. FASEB J. 24(2):374-382(2010) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	198041728
NCBI GeneID	64837

NCBI Accession #	NP_001128246.1; NP_001128247.1; NP_001128248.1; NP_073733.1
NCBI GenBank Nucleotide #	NM_001134774.1
UniProt Accession #	Q9H0B6; Q9H9C8; Q9HA20; A8MXL7; B2RDY4
Molecular Weight	68935
NCBI Official Full Name	kinesin light chain 2 isoform 2
NCBI Official Synonym Full Names	kinesin light chain 2
NCBI Official Symbol	KLC2
NCBI Protein Information	kinesin light chain 2
UniProt Protein Name	Kinesin light chain 2
UniProt Gene Name	KLC2
UniProt Synonym Gene Names	KLC 2
UniProt Entry Name	KLC2_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/klc2-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/284516>