

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

KEL Antibody (Center)

CATALOG # AAA289932	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

KEL; Polyclonal Antibody; KEL Antibody (Center); Kell blood group glycoprotein; 3424-; CD238; anti-KEL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KEL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-243 amino acids from the Central region of human KEL.
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	214-243
Sequence Length	732
Applicable Applications for anti-KEL antibody	FCM/FACS (Flow Cytometry), 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.

IMAGES



FCM/FACS (Flow Cytometry)

KEL Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

KEL Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the KEL antibody detected the KEL protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KEL antibody	This gene encodes a type II transmembrane glycoprotein that is the highly polymorphic Kell blood group antigen. The Kell glycoprotein links via a single disulfide bond to the XK membrane protein that carries the Kx antigen. The encoded protein contains sequence and structural similarity to members of the neprilysin (M13) family of zinc endopeptidases.
Product Categories/Family for anti-KEL antibody	Cardiovascular
References	Di Cristofaro, J., et al. J Mol Diagn 12(4):453-460(2010) Boturao-Neto, E., et al. Transfusion 50(3):735-737(2010) Yang, Y., et al. Transfus Med 19(5):235-244(2009) Kormoczi, G.F., et al. Transfusion 49(4):733-739(2009) Lee, S., et al. Blood 102(8):3028-3034(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557691
NCBI GeneID	3792
NCBI Accession #	NP_000411.1
NCBI GenBank Nucleotide #	NM_000420.2
UniProt Accession #	P23276; Q96RS8; Q99885; B2RBV4
Molecular Weight	82824
NCBI Official Full Name	kell blood group glycoprotein
NCBI Official Synonym Full Names	Kell blood group, metallo-endopeptidase
NCBI Official Symbol	KEL
NCBI Official Synonym Symbols	ECE3; CD238
NCBI Protein Information	kell blood group glycoprotein
UniProt Protein Name	Kell blood group glycoprotein
UniProt Gene Name	KEL
UniProt Entry Name	KELL_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.