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KEL Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14875c

Specification

KEL Antibody (Center) - Product Information

Application	**FC, WB,E**
Primary Accession	P23276
Other Accession	NP_000411.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**82824**
Antigen Region	**214-243**

KEL Antibody (Center) - Additional Information

Gene ID 3792

Other Names
Kell blood group glycoprotein, 3424-, CD238, KEL

Target/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.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KEL Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KEL Antibody (Center) - Protein Information

Name KEL

Function Zinc endopeptidase with endothelin-3-converting enzyme activity. Cleaves EDN1, EDN2 and EDN3, with a marked preference for EDN3.

Cellular Location
Cell membrane; Single-pass type II membrane protein. Note=Spans the erythrocyte membrane, and is attached to the underlying cytoskeleton

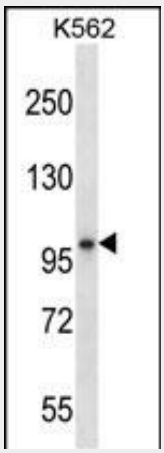
Tissue Location
Expressed at high levels in erythrocytes and testis (in Sertoli cells), and, at lower levels, in skeletal muscle, tonsils (in follicular dendritic cells), lymph node, spleen and appendix (at protein level). Also expressed in many adult and fetal nonerythroid tissues, including brain, spleen, lymph nodes and bone marrow

KEL Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KEL Antibody (Center) - Images



KEL Antibody (Center) (Cat. #AP14875c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the KEL antibody detected the KEL protein (arrow).

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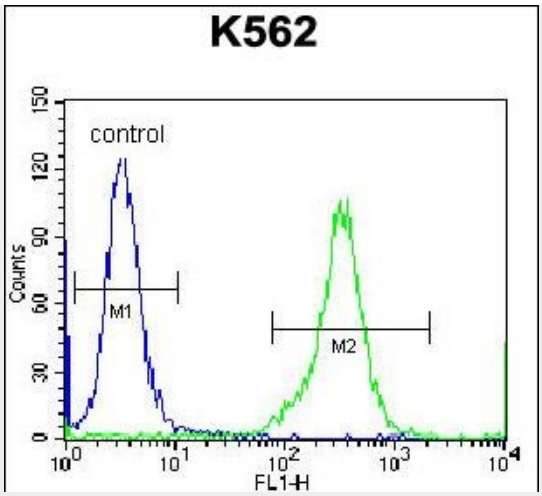

KEL Antibody (Center) (Cat. #AP14875c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

KEL Antibody (Center) - Background

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.

KEL Antibody (Center) - 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)