

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

**Specification**

**KEL Antibody (Center) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">P23276</a>
Other Accession	<a href="#">NP_000411.1</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>82824</b>
Antigen Region	<b>214-243</b>

**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**

WB~~1:1000  
FC~~1:10~50

**Format**

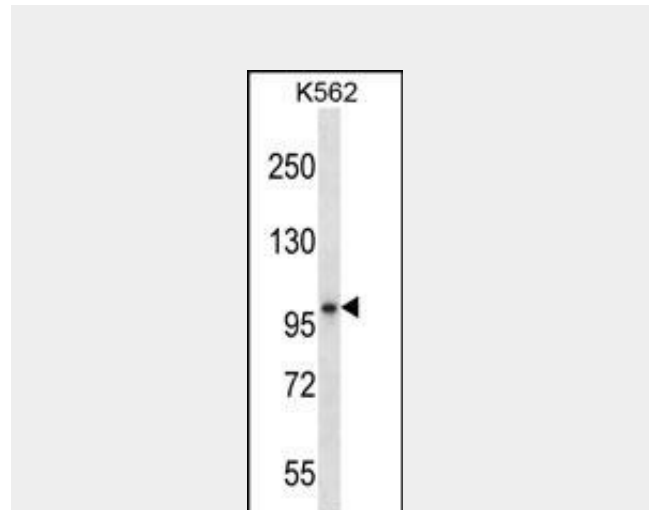
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

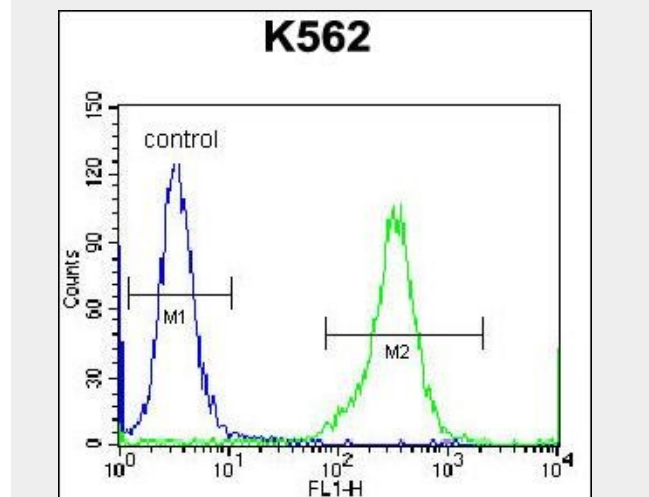
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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



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



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

**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

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)

**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 Cytometry](#)
- [Cell Culture](#)