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XK Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP19173a

Specification

XK Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P51811

XK Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 7504

Other Names
Membrane transport protein XK, Kell complex 37 kDa component, Kx antigen, XK-related protein 1, XK, XKR1, XRG1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

XK Antibody (N-term) Blocking Peptide - Protein Information

Name XK {ECO:0000303|PubMed:8004674, ECO:0000312|HGNC:HGNC:12811}

Function
Recruits the lipid transfer protein VPS13A from lipid droplets to the endoplasmic reticulum (ER) membrane.

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location
High levels in skeletal muscle, heart, brain, and pancreas; low levels in placenta, lung, liver, and kidney

XK Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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XK Antibody (N-term) Blocking Peptide - Images

XK Antibody (N-term) Blocking Peptide - Background

This locus controls the synthesis of the Kell blood group'precursor substance' (Kx). Mutations in this gene have beenassociated with McLeod syndrome, an X-linked, recessive disordercharacterized by abnormalities in the neuromuscular andhematopoietic systems. The encoded protein has structuralcharacteristics of prokaryotic and eukaryotic membrane transportproteins.

XK Antibody (N-term) Blocking Peptide - References

Miranda, M., et al. Mov. Disord. 22(9):1358-1361(2007)Claperon, A., et al. Brain Res. 1147, 12-24 (2007) :Walker, R.H., et al. Transfusion 47(2):299-305(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Jung, H.H., et al. Transfusion 43(7):928-938(2003)