

XK Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19173A

Product Information

Application	WB, E
Primary Accession	P51811
Other Accession	Q5GH61 , Q9QXY7 , NP_066569.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39515
Calculated MW	50902
Antigen Region	83-111

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
Target/Specificity	This XK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-111 amino acids from the N-terminal region of human XK.
Dilution	WB~~1:500 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	XK Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

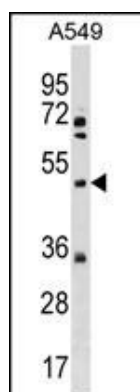
Background

This locus controls the synthesis of the Kell blood group 'precursor substance' (Kx). Mutations in this gene have been associated with McLeod syndrome, an X-linked, recessive disorder characterized by abnormalities in the neuromuscular and hematopoietic systems. The encoded protein has structural characteristics of prokaryotic and eukaryotic membrane transport proteins.

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)

Images



XK Antibody (N-term) (Cat. #AP19173a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the XK antibody detected the XK protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.