

Rabbit XK Polyclonal Antibody | anti-XK antibody

XK Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288915	Rabbit	Human Predicted Reactivity: Mouse, Rat	ELISA, Western Blot

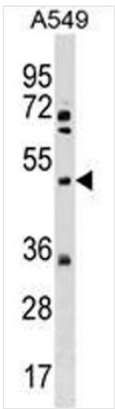
PRODUCT SYNONYMS

XK; Polyclonal Antibody; XK Antibody (N-term); Membrane transport protein XK; Kell complex 37 kDa component; Kx antigen; XK-related protein 1; XKR1; XRG1; anti-XK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
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.
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.
Sequence Positions	83-111
Sequence Length	444
Applicable Applications for anti-XK antibody	ELISA, WB (Western Blot)
Precautions	XK Antibody (N-term) is for research use only.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q9QXY7}; Multi-pass membrane protein
Tissue Location	High levels in skeletal muscle, heart, brain, and pancreas; low levels in placenta, lung, liver, and kidney
Preparation and 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.

IMAGES



WB (Western Blot)
XK Antibody (N-term) (AAA288915) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the XK antibody detected the XK protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-XK antibody	Function: May be involved in sodium-dependent transport of neutral amino acids or oligopeptides. 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.
Product Categories/Family for anti-XK antibody	Cardiovascular
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835267
NCBI GeneID	7504
NCBI Accession #	NP_066569.1
NCBI GenBank Nucleotide #	NM_021083.2
UniProt Accession #	P51811; Q4TTN6; Q8IUK6; Q9UC77
Molecular Weight	50902
NCBI Official Full Name	membrane transport protein XK
NCBI Official Synonym Full Names	X-linked Kx blood group
NCBI Official Symbol	XK
NCBI Official Synonym Symbols	KX; NA; NAC; X1k; XKR1; MCLDS
NCBI Protein Information	membrane transport protein XK
UniProt Protein Name	Membrane transport protein XK
UniProt Gene Name	XK
UniProt Synonym Gene Names	XKR1; XRG1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/xk-antibody-western-blot-elisa/288915>