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## anti-Membrane transport protein XK (XK) (AA 22-38) antibody





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Quantity:	50 μg
Target:	Membrane transport protein XK (XK)
Binding Specificity:	AA 22-38
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### **Product Details**

Brand:	IHC-plus™
Immunogen:	Synthetic peptide from human XK. Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset (100%), Rat, Panda, Dog, Rabbit (82%).
	Type of Immunogen: Synthetic peptide
Specificity:	KLH conjugated synthetic peptide comprising amino acids 22 - 38 [LSLSSTYRSGGDRMWQA] of the human McLeod syndrome-associated Kell blood group protein (XK) protein.
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset (100%) Rat, Panda, Dog, Rabbit (82%).
Purification:	Protein G purified

#### **Target Details**

Target:	Membrane transport protein XK (XK)
Alternative Name:	KX / XK (XK Products)
Background:	Name/Gene ID: XK
	Subfamily: KX Blood-group Antigen
	Family: Transporter
	Synonyms: XK, KX, Kell complex 37 kDa component, Kx antigen, MCLDS, Membrane transport
	protein XK, X1k, XK-related protein 1, XKR1, XRG1
Gene ID:	7504
UniProt:	P51811

#### **Application Details**

Application Notes:	Approved: ELISA (	(1:1000), IHC, IHC-P (10 µg/mL)
Application Notes.	/ ippi o ved. Elio/ i (	(1.1000), 1110, 1110 1 (10 µg/111L)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10  $\mu$  g/mL.

Comment:	Larget Species of Antibody: Human
Restrictions:	For Research Use only

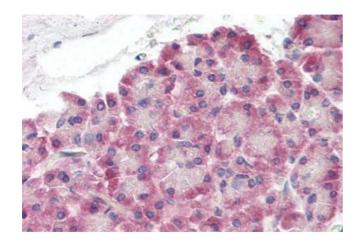
### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

#### Handling

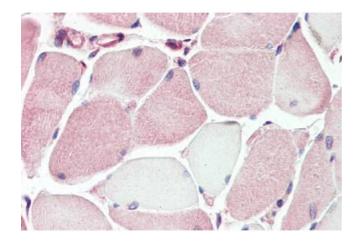
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

#### **Images**



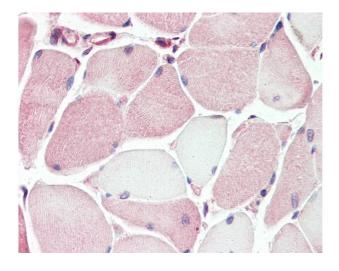
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Human Pancreas (formalin-fixed, paraffinembedded) stained with XK antibody ABIN462089 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Human Skeletal Muscle (formalin-fixed, paraffinembedded) stained with XK antibody ABIN462089 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



#### Immunohistochemistry

**Image 3.** Anti-XK antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.