



## **XK**, McLeod syndrome-associated Kell blood group protein polyclonal antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-11201
Animal ID	RB0325-0326
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_021083
Amount	100µg

#### Alternative Name(s):

**McLeod syndrome-associated, Kell blood group protein, KX membrane transport protein**

McLeod syndrome-associated Kell blood group protein (XK) is associated with McLeod syndrome, an X-linked, recessive disorder characterized by abnormalities in the neuromuscular and hematopoietic systems. XK has structural characteristics of prokaryotic and eukaryotic membrane transport proteins.

#### Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

#### Immunogen

KLH conjugated synthetic peptide comprised of amino acids 22 - 38 [LSLSSTYRSGGDRMWQA] of the human McLeod syndrome-associated Kell blood group protein (XK) protein.

#### Application

Tested by peptide-specific ELISA (1:1,000).

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

#### References:

1. Ho M, Chelly J, Carter N, Danek A, Crocker P, Monaco AP: Isolation of the gene for McLeod syndrome that encodes a novel membrane transport protein. *Cell* 77(6): 869-880 (1994).
2. Bertelson CJ, Pogo AO, Chaudhuri A, Marsh WL, Redman CM, Banerjee D, Symmans WA, Simon T, Frey D, Kunkel LM: Localization of the McLeod locus (XK) within Xp21 by deletion analysis. *Am. J. Hum. Genet.* 42(5): 703-711 (1988).