

Datasheet for ABIN2778135

anti-Membrane transport protein XK (XK) (N-Term) antibody[Go to Product page](#)**3** Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | Membrane transport protein XK (XK) |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Rabbit, Dog, Cow, Guinea Pig, Horse, Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-----------------------|--|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human XK |
| Sequence: | QMPKNGLSEE IEKEVGQAEG KLITHRSAFS RASVIQAF LG SAPQLTLQLY |
| Predicted Reactivity: | Cow: 92%, Dog: 92%, Guinea Pig: 85%, Horse: 85%, Human: 100%, Mouse: 85%, Pig: 100%, Rabbit: 100%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against XK. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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|---------|------------------------------------|
| Target: | Membrane transport protein XK (XK) |
|---------|------------------------------------|

Target Details

Alternative Name: [XK \(XK Products\)](#)

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. XK has structural characteristics of prokaryotic and eukaryotic membrane transport proteins. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: KX, X1k, XKR1, MCLDS

Protein Interaction Partner: CARD6, NLRC4, INPPL1, CASP1, CLGN, ELAVL1, PRKCA, CSNK2A1, KEL, DYT10,

Protein Size: 444

Molecular Weight: 51 kDa

Gene ID: 7504

NCBI Accession: [NM_021083](#), [NP_066569](#)

UniProt: [P51811](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 444 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Handling

| | |
|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

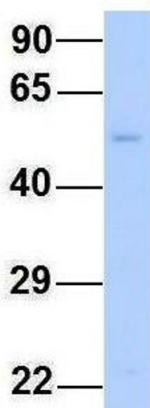
Images



Western Blotting

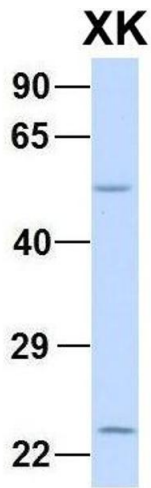
Image 1. WB Suggested Anti-XK Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Hela cell lysate

XK



Western Blotting

Image 2. Host: Rabbit Target Name: XK Sample Type: Human Fetal Liver Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: CHAD Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml