



XKRY (C-14): sc-83952

BACKGROUND

XKRY (Kell blood group complex subunit-related, Y-linked), also known as testis-specific XK-related protein Y-linked, is a 159 amino acid protein belonging to the XK family. The gene that encodes XKRY is present as two identical copies within a palindromic and nonrecombining portion of the Y chromosome. The more centromeric copy of the XKRY gene is designated XKRY and the more telomeric copy is designated XKRY2. Localized to the plasma membrane, both XKRY and XKRY2 are expressed specifically in testis. XKRY and XKRY2 are similar to XK (X-linked Kell blood group precursor), a putative membrane transport protein that is associated with McLeod syndrome, an X-linked, recessive disorder characterized by abnormalities in the neuromuscular and hematopoietic systems.

REFERENCES

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3. Online Mendelian Inheritance in Man, OMIM™. 1999. Johns Hopkins University, Baltimore, MD. MIM Number: 400015. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

CHROMOSOMAL LOCATION

Genetic locus: XKRY (human) mapping to Yq11.221.

SOURCE

XKRY (C-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of XKRY of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-83952 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

XKRY (C-14) is recommended for detection of XKRY of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for XKRY siRNA (h): sc-91541, XKRY shRNA Plasmid (h): sc-91541-SH and XKRY shRNA (h) Lentiviral Particles: sc-91541-V.

Molecular Weight of XKRY: 18 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.