

XKRY2 (N-15): sc-83954



The Power to Question

BACKGROUND

XKRY2 (Kell blood group complex subunit-related, Y-linked 2), also known as testis-specific XK-related protein Y-linked 2, is a 117 amino acid protein belonging to the XK family. The gene that encodes XKRY2 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.

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CHROMOSOMAL LOCATION

Genetic locus: XKRY2 (human) mapping to Yq11.221.

STORAGE

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

SOURCE

XKRY2 (N-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of XKRY2 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-83954 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

XKRY2 (N-15) is recommended for detection of XKRY2 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); may cross-react with XKRY.

Suitable for use as control antibody for XKRY2 siRNA (h): sc-91548, XKRY2 shRNA Plasmid (h): sc-91548-SH and XKRY2 shRNA (h) Lentiviral Particles: sc-91548-V.

Molecular Weight of XKRY2: 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.

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.