

CXorf57 (N-20): sc-139485

BACKGROUND

The X and Y chromosomes are the human sex chromosomes. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome lead to normal male development while two copies of X lead to normal female development. There are a number of conditions related to an unusual number and combinations of sex chromosomes being inherited. More than one copy of the X chromosome with a Y chromosome causes Klinefelter's syndrome. A single copy of X alone leads to Turner's syndrome. More than 2 copies of the X chromosome, in the absence of a Y chromosome, is known as triple X syndrome. Color blindness, hemophilia and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome. The CXorf57 gene product has been provisionally designated CXorf57 pending further characterization.

CHROMOSOMAL LOCATION

Genetic locus: CXorf57 (human) mapping to Xq22.3; D330045A20Rik (mouse) mapping to X F1.

SOURCE

CXorf57 (N-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of CXorf57 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-139485 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

CXorf57 (N-20) is recommended for detection of CXorf57 of mouse and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for CXorf57 siRNA (h): sc-91350, D330045A20Rik siRNA (m): sc-142816, CXorf57 shRNA Plasmid (h): sc-91350-SH, D330045A20Rik shRNA Plasmid (m): sc-142816-SH, CXorf57 shRNA (h) Lentiviral Particles: sc-91350-V and D330045A20Rik shRNA (m) Lentiviral Particles: sc-142816-V.

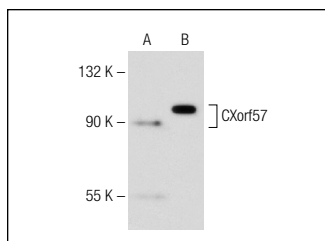
Molecular Weight of CXorf57: 98 kDa.

Positive Controls: CXorf57 (h): 293T Lysate: sc-117161.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



CXorf57 (N-20): sc-139485. Western blot analysis of CXorf57 expression in non-transfected: sc-117752 (A) and human CXorf57 transfected: sc-117161 (B) 293T whole cell lysates.

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.


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Try **CXorf57 (A-3): sc-514563**, our highly recommended monoclonal alternative to CXorf57 (N-20).