

CXorf57 (E-20): sc-139486

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 (E-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region 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-139486 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

CXorf57 (E-20) is recommended for detection of CXorf57 of human origin, D330045A20Rik of mouse origin and the corresponding rat homolog 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).

CXorf57 (E-20) is also recommended for detection of CXorf57 in additional species, including equine, canine and porcine.

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.

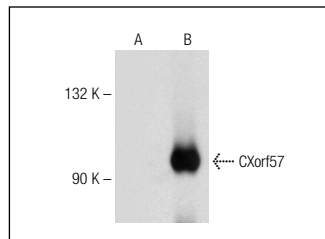
Molecular Weight of CXorf57: 98 kDa.

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 (E-20): sc-139486. Western blot analysis of CXorf57 expression in non-transfected: sc-117752 (A) and human CXorf57 transfected: sc-117161 (B) 293T whole cell lysates.

STORAGE

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

PROTOCOLS

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



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