

CPXCR1 (H-88): sc-98382

BACKGROUND

CPXCR1 (CPX chromosomal region candidate gene 1 protein) is a 301 amino acid protein encoded by the human gene CPXCR1 located on the X chromosome. The CPXCR1 chromosomal region is known as the X-linked cleft palate and ankyloglossia (CPX) critical region. X-linked cleft palate (CPX), a congenital, semi-dominant disorder that is influenced only by genetic factors, is influenced by mutations within this region. Ankyloglossia (tongue-tie) is also associated with X-linked cleft palate in an Icelandic population. In this population the gene responsible for cleft palate (CPX) was assigned to the Xq21.3-q22 region between DXYS12 and DXS17.

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CHROMOSOMAL LOCATION

Genetic locus: CPXCR1 (human) mapping to Xq21.31.

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.

SOURCE

CPXCR1 (H-88) is a rabbit polyclonal antibody raised against amino acids 1-88 mapping at the N-terminus of CPXCR1 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

CPXCR1 (H-88) is recommended for detection of CPXCR1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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 CPXCR1 siRNA (h): sc-90983, CPXCR1 shRNA Plasmid (h): sc-90983-SH and CPXCR1 shRNA (h) Lentiviral Particles: sc-90983-V.

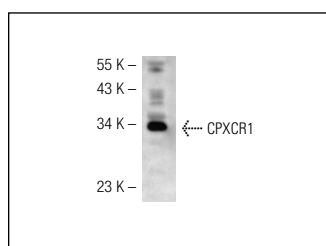
Molecular Weight of CPXCR1: 35 kDa.

Positive Controls: SCC-4 whole cell lysate.

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



CPXCR1 (H-88): sc-98382. Western blot analysis of CPXCR1 expression in SCC-4 whole cell lysate.

PROTOCOLS

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