

CXXC5 (E-13): sc-135466

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. CXXC5 (CXXC finger 5), also known as RINF or HSPC195, is a 322 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one CXXC-type zinc finger. Interacting with Dvl-1, CXXC5 acts as a mediator of Wnt signaling in neural stem cells and is thought to participate in the activation of MAP kinase pathways. The gene encoding CXXC5 maps to human chromosome 5 and is expressed as multiple alternatively spliced isoforms.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CXXC5 (human) mapping to 5q31.2; Cxxc5 (mouse) mapping to 18 B2.

SOURCE

CXXC5 (E-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of CXXC5 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-135466 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

CXXC5 (E-13) is recommended for detection of CXXC5 isoforms 1 and 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), 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).

CXXC5 (E-13) is also recommended for detection of CXXC5 isoforms 1 and 2 in additional species, including avian.

Suitable for use as control antibody for CXXC5 siRNA (h): sc-91677, CXXC5 siRNA (m): sc-142647, CXXC5 shRNA Plasmid (h): sc-91677-SH, CXXC5 shRNA Plasmid (m): sc-142647-SH, CXXC5 shRNA (h) Lentiviral Particles: sc-91677-V and CXXC5 shRNA (m) Lentiviral Particles: sc-142647-V.

Molecular Weight of CXXC5: 33 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

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.



Try **CXXC5 (H-6): sc-376348**, our highly recommended monoclonal alternative to CXXC5 (E-13).