**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. ZCCHC2 (zinc finger CCHC domain-containing protein 2) is a 1178 amino acid protein that contains one CCHC-type zinc finger, suggesting a role in transcriptional regulation. The gene encoding ZCCHC10 maps to human chromosome 18, which encodes over 300 genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasias, and erythropoietic protoporphyria. Translocation between chromosomes 18 and 14 is also the most common translocation in cancers and occurs in follicular lymphomas.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: ZCCHC2 (human) mapping to 18q21.33; Zcchc2 (mouse) mapping to 12E2.1.

**SOURCE**

ZCCHC2 (C-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of ZCCHC2 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-85221 P (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and Chip applications, sc-85221 X, 100 µg/0.1 ml.

**APPLICATIONS**

ZCCHC2 (C-19) is recommended for detection of ZCCHC2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1,000), 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), non-cross-reactive with ZCCHC11.

Suitable for use as control antibody for ZCCHC2 siRNA (h): sc-76952, ZCCHC2 siRNA (m): sc-155477, ZCCHC2 shRNA Plasmid (h): sc-76952-SH, ZCCHC2 shRNA Plasmid (m): sc-155477-SH, ZCCHC2 shRNA (h) Lentiviral Particles: sc-76952-V and ZCCHC2 shRNA (m) Lentiviral Particles: sc-155477-V.

ZCCHC2 (C-19) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZCCHC2: 126 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: 1:2000-1,000), 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-2048 (dilution range: 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:100-1:1000), immunofluorescence: use goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:1000) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:1000) with UltraCruz™ Mounting Medium: sc-24941.

**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.