

Krox-26 (C-15): sc-68571

BACKGROUND

Krox-26, also known as ZNF22 (zinc-finger protein 22), HKR-T1 or ZNF422, is a 224 amino acid protein that localizes to the nucleus and contains five CDH2-type zinc fingers. One of several members of the krueppel C₂H₂-type zinc-finger protein family, Krox-26 binds to DNA and is thought to be involved in transcriptional regulation events related to tooth formation, both in embryonic and adult tissue. The gene encoding Krox-26 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie-Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF22 (human) mapping to 10q11.21.

SOURCE

Krox-26 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Krox-26 of human origin.

STORAGE

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

PRODUCT

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

Blocking peptide available for competition studies, sc-68571 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-68571 X, 200 µg/0.1 ml.

APPLICATIONS

Krox-26 (C-15) is recommended for detection of zinc finger protein 22 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Krox-26 (C-15) is also recommended for detection of zinc finger protein 22 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for Krox-26 siRNA (h): sc-62530, Krox-26 shRNA Plasmid (h): sc-62530-SH and Krox-26 shRNA (h) Lentiviral Particles: sc-62530-V.

Krox-26 (C-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Krox-26: 26 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (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.