Krox-26 (K-25): sc-133715



The Power to Question

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 Krüppel C_2H_2 -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, nonsyndromatic 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.

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.

SOURCE

Krox-26 (K-25) is a Protein A purified rabbit polyclonal antibody raised against synthetic Krox-26 peptide of human origin.

PRODUCT

Each vial contains 100 μg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

Krox-26 (K-25) is recommended for detection of Krox-26 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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.

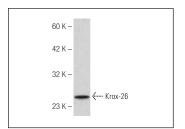
Molecular Weight of Krox-26: 26 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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).

DATA



Krox-26 (K-25): sc-133715. Western blot analysis of Krox-26 expression in Jurkat whole cell lysate.

RESEARCH USE

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