

ZNF32 (N-15): sc-244776

BACKGROUND

ZNF32 (zinc finger protein 32), also known as KOX30, is a 273 amino acid nuclear protein that may be involved in transcriptional regulation. Containing seven C₂H₂-type zinc fingers, ZNF32 belongs to the Kruppel C₂H₂-type zinc-finger protein family. The gene that encodes ZNF32 consists of more than 5,000 bases and maps to human chromosome 10. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. 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.

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CHROMOSOMAL LOCATION

Genetic locus: ZNF32 (human) mapping to 10q11.21; Zfp637 (mouse) mapping to 6 F1.

SOURCE

ZNF32 (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF32 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.

Blocking peptide available for competition studies, sc-244776 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF32 (N-15) is recommended for detection of ZNF32 of mouse, rat and 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); non cross-reactive with other ZNF family members.

ZNF32 (N-15) is also recommended for detection of ZNF32 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for ZNF32 siRNA (h): sc-90616, ZNF32 siRNA (m): sc-155686, ZNF32 shRNA Plasmid (h): sc-90616-SH, ZNF32 shRNA Plasmid (m): sc-155686-SH, ZNF32 shRNA (h) Lentiviral Particles: sc-90616-V and ZNF32 shRNA (m) Lentiviral Particles: sc-155686-V.

Molecular Weight of ZNF32: 31 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.

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.

PROTOCOLS

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