

ZNF532 (F-20): sc-85249



The Power to Question

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. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. As a member of the krüppel C₂H₂-type zinc-finger protein family, ZNF532 (zinc finger protein 532) is a 1,301 amino acid nuclear protein that contains 12 C₂H₂-type zinc fingers. The gene encoding ZNF532 maps to human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases, representing about 2.5% of total DNA in cells. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF532 (human) mapping to 18q21.32; Zfp532 (mouse) mapping to 18 E1.

SOURCE

ZNF532 (F-20)-R is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF532 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-85249 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-85249 X, 100 µg/0.1 ml.

APPLICATIONS

ZNF532 (F-20) is recommended for detection of ZNF532 of mouse, rat and 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)], 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.

ZNF532 (F-20) is also recommended for detection of ZNF532 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for ZNF532 siRNA (h): sc-76994, ZNF532 siRNA (m): sc-155741, ZNF532 shRNA Plasmid (h): sc-76994-SH, ZNF532 shRNA Plasmid (m): sc-155741-SH, ZNF532 shRNA (h) Lentiviral Particles: sc-76994-V and ZNF532 shRNA (m) Lentiviral Particles: sc-155741-V.

ZNF532 (F-20) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

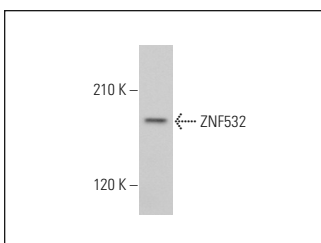
Molecular Weight of ZNF532: 142 kDa.

Positive Controls: PC-12 cell lysate: sc-2250.

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). 3) 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.

DATA



ZNF532 (F-20): sc-85249. Western blot analysis of ZNF532 expression in PC-12 whole cell lysate.

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.