

ZFP64 (C-16): sc-67998

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 krueppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZFP64 (Zinc finger protein 64), also known as ZNF338, is a 681 amino acid homolog of the mouse ZFP64 protein and is a member of the krueppel C2H2-type zinc-finger family. Localized to the nucleus, ZFP64 contains nine C2H2-type zinc fingers and is thought to be involved in transcriptional regulation. Four isoforms of ZFP64 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZFP64 (human) mapping to 20q13.2; Zfp64 (mouse) mapping to 2 H3.

SOURCE

ZFP64 (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ZFP64 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-67998 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

ZFP64 (C-16) is recommended for detection of ZFP64 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).

ZFP64 (C-16) is also recommended for detection of ZFP64 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for ZFP64 siRNA (h): sc-63241, ZFP64 siRNA (m): sc-63242, ZFP64 shRNA Plasmid (h): sc-63241-SH, ZFP64 shRNA Plasmid (m): sc-63242-SH, ZFP64 shRNA (h) Lentiviral Particles: sc-63241-V and ZFP64 shRNA (m) Lentiviral Particles: sc-63242-V.

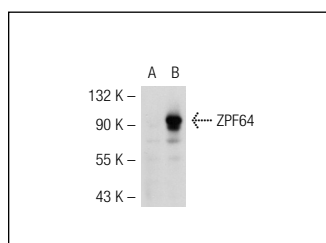
Molecular Weight of ZFP64: 75 kDa.

Positive Controls: SPF64 (m): 293T Lysate: sc-127809.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



ZFP64 (C-16): sc-67998. Western blot analysis of ZFP64 expression in non-transfected: sc-117752 (A) and mouse ZFP64 transfected: sc-127809 (B) 293T whole cell lysates.

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.