SANTA CRUZ BIOTECHNOLOGY, INC.

ZFP64 (P-17): sc-68001



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 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 (P-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZFP64 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-68001 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZFP64 (P-17) 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 μ g per 100-500 μ g 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 (P-17) 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.

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.



	A B
132 K –	0000000
90 K –	ZFP64
55 K –	
43 K –	
34 K –	

ZFP64 (P-17): sc-68001. Western blot analysis of ZFP64 expression in non-transfected: sc-117752 (**A**) and mouse ZFP64 transfected: sc-127809 (**B**) 293T whole cell lysates.

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.