SANTA CRUZ BIOTECHNOLOGY, INC.

ZNF295 (S-18): sc-83357

SANTA CRUZ BIOTECHNOLOGY

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. ZNF295 (zinc finger protein 295), also known as ZBTB21, is a 1066 amino acid zinc finger protein belonging to the Krüppel C_2H_2-type zinc-finger protein family. Localized to the nucleus, ZNF295 may play a role in transcriptional regulation. Phosphorylated upon DNA damage, ZNF295 contains one BTB (POZ) domain and eight C_2H_2-type zinc fingers.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF295 (human) mapping to 21q22.3; Zfp295 (mouse) mapping to 16 C4.

SOURCE

ZNF295 (S-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF295 of human origin.

RESEARCH USE

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

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-83357 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF295 (S-18) is recommended for detection of ZNF295 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.

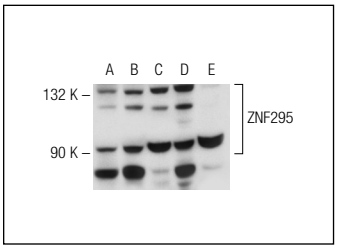
ZNF295 (S-18) is also recommended for detection of ZNF295 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for ZNF295 siRNA (h): sc-91471, ZNF295 siRNA (m): sc-155679, ZNF295 shRNA Plasmid (h): sc-91471-SH, ZNF295 shRNA Plasmid (m): sc-155679-SH, ZNF295 shRNA (h) Lentiviral Particles: sc-91471-V and ZNF295 shRNA (m) Lentiviral Particles: sc-155679-V.

Molecular Weight of ZNF295: 95, 118=short and long isoforms kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, HeLa nuclear extract: sc-2120 or Jurkat nuclear extract: sc-2132.

DATA



ZNF295 (S-18): sc-83357. Western blot analysis of ZNF295 expression in HEK293 (**A**) and Jurkat (**B**) whole cell lysates and HeLa (**C**), Jurkat (**D**) and A-431 (**E**) nuclear extracts.

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.