SANTA CRUZ BIOTECHNOLOGY, INC.

ZNF498 (C-15): sc-132556



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. As a member of the Krüppel C₂H₂-type zinc finger protein family, ZNF498 (zinc finger protein 498), also known as Zinc finger and SCAN domain-containing protein 25 (ZSCAN25), is a 544 amino acid protein. Localized to the nucleus, ZNF498 contains seven C₂H₂-type zinc fingers and one SCAN box domain. Due to the presence of these domains, ZNF498 is believed to be involved in transcriptional regulation. ZNF498 exists as 4 isoforms produced by alternative splicing.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF498 (human) mapping to 7q22.1; Zfp498 (mouse) mapping to 5 G2.

SOURCE

ZNF498 (C-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ZNF498 of human origin.

STORAGE

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

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-132556 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF498 (C-15) is recommended for detection of ZNF498 isoforms 1-3 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 ZNF498 isoform 4.

Suitable for use as control antibody for ZNF498 siRNA (h): sc-89567, ZNF498 siRNA (m): sc-155729, ZNF498 shRNA Plasmid (h): sc-89567-SH, ZNF498 shRNA Plasmid (m): sc-155729-SH, ZNF498 shRNA (h) Lentiviral Particles: sc-89567-V and ZNF498 shRNA (m) Lentiviral Particles: sc-155729-V.

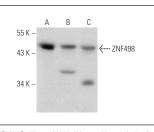
Molecular Weight of ZNF498 isoforms 1-3: 61/59/41 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, HeLa whole cell lysate: sc-2200 or Hep G2 cell lysate: sc-2227.

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



ZNF498 (C-15): sc-132556. Western blot analysis of ZNF498 expression in Jurkat (A), HeLa (B) and Hep G2 (C) whole cell lysates.

RESEARCH USE

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