

ZNF496 (A-16): sc-102228

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. ZNF496 (Zinc-finger protein 496), also known as ZKSCAN17 or NIZP1, is a 587 amino acid member of the krueppel C₂H₂-type zinc-finger protein family and is thought to act as a transcriptional repressor. Localized to the nucleus, ZNF496 contains one SCAN box domain, one KRAB domain and five C₂H₂-type zinc fingers through which it may convey DNA, RNA and protein binding capabilities.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF496 (human) mapping to 1q44; Zkscan17 (mouse) mapping to 11 B1.3.

SOURCE

ZNF496 (A-16) is a purified rabbit polyclonal antibody raised against ZNF496 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

RESEARCH USE

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

APPLICATIONS

ZNF496 (A-16) is recommended for detection of ZNF496 of mouse, human and dog 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF496 siRNA (h): sc-88120, ZNF496 siRNA (m): sc-155728, ZNF496 shRNA Plasmid (h): sc-88120-SH, ZNF496 shRNA Plasmid (m): sc-155728-SH, ZNF496 shRNA (h) Lentiviral Particles: sc-88120-V and ZNF496 shRNA (m) Lentiviral Particles: sc-155728-V.

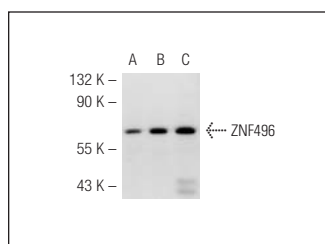
Molecular Weight of ZNF496: 67 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or NIH/3T3 whole cell lysate: sc-2210.

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).

DATA



ZNF496 (A-16): sc-102228. Western blot analysis of ZNF496 expression in non-transfected 293T: sc-117752 (A), mouse ZNF496 transfected 293T: sc-126287 (B) and NIH/3T3 (C) 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.