

ZNF396 (Y-23): sc-134188

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. As a member of the krueppel C₂H₂-type zinc-finger protein family, ZNF396 (zinc finger protein 396), also known as ZSCAN14 (zinc finger and SCAN domain-containing protein 14), is a 335 amino acid nuclear protein that contains one SCAN box domain and three C₂H₂-type zinc fingers. There are three isoforms of ZNF that are produced as a result of alternative splicing events. Both isoform 1 and 2 act as DNA-dependent transcriptional repressors. ZNF396 is strongly expressed in liver, moderately expressed in skeletal muscle and weakly expressed in spleen, kidney, prostate and pancreas.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF396 (human) mapping to 18q12.2.

SOURCE

ZNF396 (Y-23) is an affinity purified rabbit polyclonal antibody raised against synthetic ZNF396 peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

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

APPLICATIONS

ZNF396 (Y-23) is recommended for detection of ZNF396 of 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF396 siRNA (h): sc-76983, ZNF396 shRNA Plasmid (h): sc-76983-SH and ZNF396 shRNA (h) Lentiviral Particles: sc-76983-V.

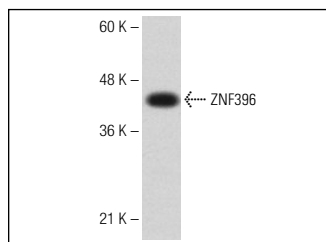
Molecular Weight of ZNF396: 39 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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



ZNF396 (Y-23): sc-134188. Western blot analysis of ZNF396 expression in Jurkat whole cell lysate.

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.