

ZNF446 (B-18): sc-102224

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, ZNF446 (zinc finger protein 446), also known as zinc finger and SCAN domain-containing protein 20 (ZKSCAN20), is a 450 amino acid transcriptional regulator. ZNF446 localizes to the nucleus and is expressed in a variety of human adult tissues with the highest expression level in muscle. ZNF446 contains three C₂H₂-type zinc fingers, a SCAN domain and a KRAB domain. ZNF446 functions as a transcriptional repressor for SRE (serum response element) and c-Jun transcription factors and may play a critical role in cell growth and proliferation signaling pathways.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF446 (human) mapping to 19q13.43.

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.

SOURCE

ZNF446 (B-18) is a purified rabbit polyclonal antibody raised against ZNF446 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.

APPLICATIONS

ZNF446 (B-18) is recommended for detection of ZNF446 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 ZNF446 siRNA (h): sc-97865, ZNF446 shRNA Plasmid (h): sc-97865-SH and ZNF446 shRNA (h) Lentiviral Particles: sc-97865-V.

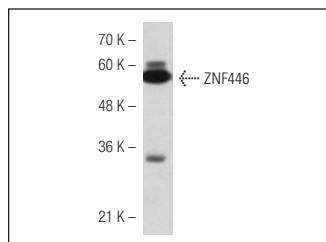
Molecular Weight of ZNF446: 49 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

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



ZNF446 (B-18): sc-102224. Western blot analysis of ZNF446 expression in Hep G2 whole cell lysate.

PROTOCOLS

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