

ZNF444 (T-14): sc-132966



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. As a member of the Krüppel C₂H₂-type zinc-finger protein family, ZNF444 (zinc finger protein 444), also known as EZF2 or Zinc finger and SCAN domain-containing protein 17 (ZSCAN17), is a 327 amino acid transcriptional regulator. ZNF444 localizes to the nucleus and contains four C₂H₂-type zinc fingers and one SCAN domain. The SCAN domain is a highly conserved motif that is found near the N-terminus of a subfamily of C₂H₂ zinc finger proteins. The SCAN domain helps to mediate self-association or selective association with other proteins bearing the SCAN domain. Two isoforms of ZNF444 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Zfp444 (mouse) mapping to 7 A1.

SOURCE

ZNF444 (T-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF444 of mouse 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-132966 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF444 (T-14) is recommended for detection of ZNF444 of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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.

Suitable for use as control antibody for ZNF444 siRNA (m): sc-155719, ZNF444 shRNA Plasmid (m): sc-155719-SH and ZNF444 shRNA (m) Lentiviral Particles: sc-155719-V.

Molecular Weight of ZNF444: 35 kDa.

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) 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.

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.