



ZNF385A (T-14): sc-132537

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. ZNF385A (zinc finger matrin-type protein 385A), also known as HZF (hematopoietic zinc finger protein), RZF (retinal zinc finger protein) or ZNF385, is a 366 amino acid protein that contains three matrin-type zinc fingers. The matrin-type zinc finger, which is very similar in structure to the classical DNA-binding C₂H₂ zinc finger, was first identified in the protein matrin-3. The matrin-type zinc finger has also been identified in several spliceosome RNA-binding proteins, suggesting a role in pre-mRNA binding. ZNF385A is expressed predominantly in the retina, localized to the nucleus as well as the cytoplasm. Two isoforms of ZNF385A exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF385A (human) mapping to 12q13.13; Zfp385a (mouse) mapping to 15 F3.

STORAGE

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

SOURCE

ZNF385A (T-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF385A of human origin.

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-132537 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF385A (T-14) is recommended for detection of ZNF385A isoforms 1 and 2 of mouse, rat and human 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 ZNF385A siRNA (h): sc-95676, ZNF385A siRNA (m): sc-155704, ZNF385A shRNA Plasmid (h): sc-95676-SH, ZNF385A shRNA Plasmid (m): sc-155704-SH, ZNF385A shRNA (h) Lentiviral Particles: sc-95676-V and ZNF385A shRNA (m) Lentiviral Particles: sc-155704-V.

Molecular Weight of ZNF385A: 38 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.