

ZNF385A (H-97): sc-292258

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 3 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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- Rossi, F., et al. 1996. Involvement of U1 small nuclear ribonucleoproteins (SnRNP) in 5' splice site-U1 SnRNP interaction. *J. Biol. Chem.* 271: 23985-23991.
- Matsushima, Y., et al. 1997. Zinc finger-like motif conserved in a family of RNA binding proteins. *Biosci. Biotechnol. Biochem.* 61: 905-906.
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- Durand, S., et al. 2003. Identification of multiple differentially expressed messenger RNAs in normal and pathological trophoblast. *Placenta* 24: 209-218.
- Muto, Y., et al. 2004. The structure and biochemical properties of the human spliceosomal protein U1C. *J. Mol. Biol.* 341: 185-198.

CHROMOSOMAL LOCATION

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

SOURCE

ZNF385A (H-97) is a rabbit polyclonal antibody raised against amino acids 75-171 mapping within an internal region 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.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-292258 X, 200 µg/0.1 ml.

RESEARCH USE

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

APPLICATIONS

ZNF385A (H-97) is recommended for detection of ZNF385A of mouse, rat and 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)], 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).

ZNF385A (H-97) is also recommended for detection of ZNF385A in additional species, including equine, canine, bovine and porcine.

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.

ZNF385A (H-97) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

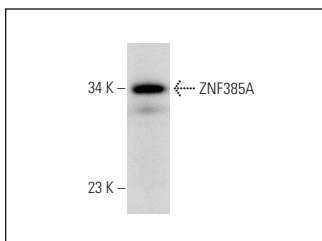
Molecular Weight of ZNF385A: 38 kDa.

Positive Controls: mouse brain extract: sc-2253.

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). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZNF385A (H-97): sc-292258. Western blot analysis of ZNF385A expression in mouse brain tissue extract.

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.