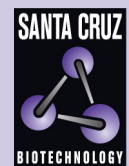


ZNF35 (H-200): sc-98281



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. The majority of zinc-finger proteins contain a Kruppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF35 (zinc finger protein 35), also known as HF.10, HF10 or Zfp105, is a zinc finger protein that localizes to the nucleus and belongs to the Kruppel C₂H₂-type zinc finger protein family. ZNF35 contains 11 C₂H₂-type zinc fingers and may play a role in transcriptional regulation as well as cell differentiation and proliferation. The gene encoding ZNF35 maps to chromosome 3 in the region often involved in deletions or karyotypic rearrangements that have been associated with a variety of tumors including renal and lung carcinoma. The mouse homolog of ZNF35, Zfp105, is highly expressed in testis, particularly in round spermatids and pachytene spermatocytes.

REFERENCES

1. Donti, E., et al. 1990. Localization of the human HF.10 finger gene on a chromosome region (3p21-22) frequently deleted in human cancers. *Hum. Genet.* 84: 391-395.
2. Lanfrancone, L., et al. 1992. Structural and functional organization of the HF.10 human zinc finger gene (ZNF35) located on chromosome 3p21-p22. *Genomics* 12: 720-728.
3. Pengue, G., et al. 1993. The ZNF35 human zinc finger gene encodes a sequence-specific DNA-binding protein. *FEBS Lett.* 321: 233-236.
4. Kohno, T., et al. 1993. Deletion mapping of chromosome 3p in human uterine cervical cancer. *Oncogene* 8: 1825-1832.
5. Pengue, G., et al. 1993. YAC-assisted cloning of transcribed sequences from the human chromosome 3p21 region. *Hum. Mol. Genet.* 2: 791-796.
6. Przyborski, S.A., et al. 1999. Differential expression of the zinc finger gene Zfp105 during spermatogenesis. *Mamm. Genome* 9: 758-762.

CHROMOSOMAL LOCATION

Genetic locus: ZNF35 (human) mapping to 3p21.31.

SOURCE

ZNF35 (H-200) is a rabbit polyclonal antibody raised against amino acids 21-220 mapping near the N-terminus of ZNF35 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-98281 X, 200 µg/0.1 ml.

STORAGE

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

APPLICATIONS

ZNF35 (H-200) is recommended for detection of ZNF35 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)], 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).

Suitable for use as control antibody for ZNF35 siRNA (h): sc-78554, ZNF35 shRNA Plasmid (h): sc-78554-SH and ZNF35 shRNA (h) Lentiviral Particles: sc-78554-V.

ZNF35 (H-200) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

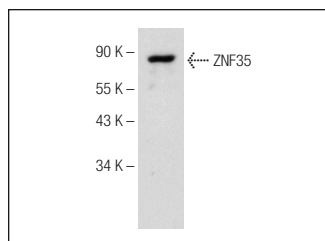
Molecular Weight of ZNF35: 58 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or 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). 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



ZNF35 (H-200): sc-98281. Western blot analysis of ZNF35 expression in HeLa 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.