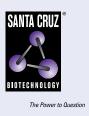
ZNF207 (A-7): sc-271277



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 Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF207 (zinc finger protein 207) is a 478 amino acid protein that localizes to the nucleus and contains two C_2H_2 -type zinc fingers. Expressed ubiquitously, ZNF207 may function as a transcription factor. Three isoforms of ZNF207 are expressed due to alternative splicing events.

REFERENCES

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- 2. Pahl, P.M., et al. 1998. ZNF207, a ubiquitously expressed zinc-finger gene on chromosome 6p21.3. Genomics 53: 410-412.
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CHROMOSOMAL LOCATION

Genetic locus: ZNF207 (human) mapping to 17q11.2; Zfp207 (mouse) mapping to 11 B5.

SOURCE

ZNF207 (A-7) is a mouse monoclonal antibody raised against amino acids 1-184 mapping at the N-terminus of ZNF207 of human origin.

PRODUCT

Each vial contains 200 $\mu g\, lgG_1$ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

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

APPLICATIONS

ZNF207 (A-7) is recommended for detection of ZNF207 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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), immunohistochemistry (including paraffin-embedded sections) (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 ZNF207 siRNA (h): sc-93847, ZNF207 siRNA (m): sc-155654, ZNF207 shRNA Plasmid (h): sc-93847-SH, ZNF207 shRNA Plasmid (m): sc-155654-SH, ZNF207 shRNA (h) Lentiviral Particles: sc-93847-V and ZNF207 shRNA (m) Lentiviral Particles: sc-155654-V.

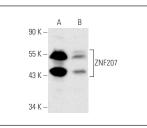
Molecular Weight of ZNF207: 51 kDa.

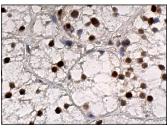
Positive Controls: HeLa nuclear extract: sc-2120 or Hep G2 whole cell lysate: sc-2227.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker[™] Molecular Weight Standards: sc-2035, UltraCruz[®] Blocking Reagent: sc-516214 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 m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz[®] Mounting Medium: sc-24941 or UltraCruz[®] Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgGκ BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

DATA





ZNF207 (A-7): sc-271277. Western blot analysis of ZNF207 expression in HeLa nuclear extract (A) and Hep G2 whole cell lysate (B).

ZNF207 (A-7): sc-271277. Immunoperoxidase staining of formalin fixed, paraffin-embedded human adrenal gland tissue showing nuclear staining of glandular cells.

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 for detailed protocols and support products.