

ZNF230 (T-12): sc-132522



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 Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF230, also known as zinc finger protein FDZF2, is a 474 amino acid protein belonging to the Krüppel C₂H₂-type zinc finger protein family. Localized to the nucleus, ZNF230 contains one KRAB domain and ten C₂H₂-type zinc fingers. Due to the presence of these domains, ZNF230 may be involved in transcriptional regulation.

REFERENCES

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3. Witzgall, R., et al. 1994. The Krüppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression. *Proc. Natl. Acad. Sci. USA* 91: 4514-4518.
4. Vissing, H., et al. 1995. Repression of transcriptional activity by heterologous KRAB domains present in zinc finger proteins. *FEBS Lett.* 369: 153-157.
5. Zhang, S., et al. 2001. The shorter zinc finger protein ZNF230 gene message is transcribed in fertile male testes and may be related to human spermatogenesis. *Biochem. J.* 359: 721-727.
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8. Dong, J.T., et al. 2005. Screening for ZNF230 gene mutation and analysis of its correlation with azoospermia. *Zhonghua Yi Xue Yi Chuan Xue Za Zhi* 22: 258-260.

CHROMOSOMAL LOCATION

Genetic locus: ZNF230 (human) mapping to 19q13.31.

SOURCE

ZNF230 (T-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF230 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-132522 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF230 (T-12) is recommended for detection of ZNF230 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); may cross-react with ZNF155.

Suitable for use as control antibody for ZNF230 siRNA (h): sc-97687, ZNF230 shRNA Plasmid (h): sc-97687-SH and ZNF230 shRNA (h) Lentiviral Particles: sc-97687-V.

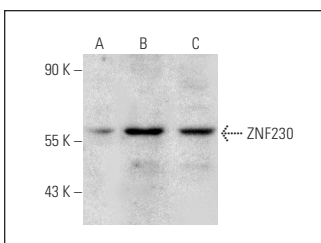
Molecular Weight of ZNF230: 55 kDa.

Positive Controls: A-431 nuclear extract: sc-2122 or PC-3 nuclear extract: sc-2152.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



ZNF230 (T-12): sc-132522. Western blot analysis of ZNF230 expression in PC-3 (A), A-431 (B) and NIH/3T3 (C) nuclear extracts.

STORAGE

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

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.