

# ZNF230 (G-18): sc-102192

## 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 C<sub>2</sub>H<sub>2</sub>-type zinc finger protein family. Localized to the nucleus, ZNF230 contains one KRAB domain and ten C<sub>2</sub>H<sub>2</sub>-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.
6. Urrutia, R. 2003. KRAB-containing zinc-finger repressor proteins. *Genome Biol.* 4: 231.
7. Shannon, M., et al. 2003. Differential expansion of zinc-finger transcription factor loci in homologous human and mouse gene clusters. *Genome Res.* 13: 1097-1110.
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 (G-18) is a purified rabbit polyclonal antibody raised against ZNF230 of human origin.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

## PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

ZNF230 (G-18) 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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.

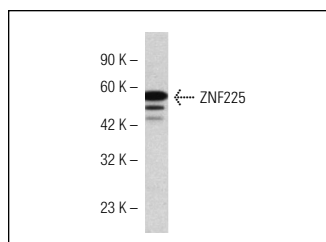
Molecular Weight of ZNF230: 55 kDa.

Positive Controls: 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).

## DATA



ZNF230 (G-18): sc-102192. Western blot analysis of ZNF230 expression in Jurkat whole cell lysate.

## RESEARCH USE

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