

ZNF131 (U-24): sc-134169

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. As a member of the krueppel C₂H₂-type zinc-finger protein family, ZNF131 (zinc finger protein 131) is a 623 amino acid nuclear protein that contains one BTB (POZ) domain and six C₂H₂-type zinc fingers. With predominant expression found in brain, it is likely that ZNF131 plays a role as a transcription regulator during development and organogenesis of the adult central nervous system. ZNF131 also represses ER α (estrogen receptor α)-mediated transactivation by interrupting ER α binding to the estrogen-response element. There are two isoforms of ZNF131 that are produced as a result of alternative splicing events.

REFERENCES

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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: ZNF131 (human) mapping to 5p12; Zfp131 (mouse) mapping to 13.

SOURCE

ZNF131 (U-24) is an affinity purified rabbit polyclonal antibody raised against synthetic ZNF131 peptide of human origin.

PRODUCT

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

APPLICATIONS

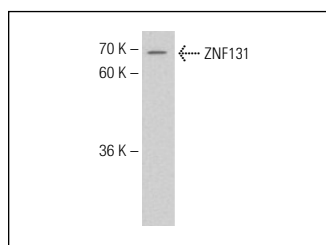
ZNF131 (U-24) is recommended for detection of ZNF131 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF131 siRNA (h): sc-91734, ZNF131 shRNA Plasmid (h): sc-91734-SH and ZNF131 shRNA (h) Lentiviral Particles: sc-91734-V.

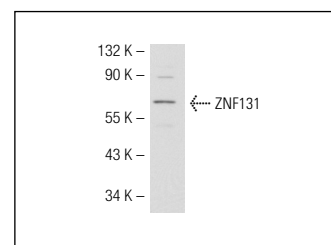
Molecular Weight of ZNF131: 71 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

DATA



ZNF131 (U-24): sc-134169. Western blot analysis of ZNF131 expression in Jurkat whole cell lysate.



ZNF131 (U-24): sc-134169. Western blot analysis of ZNF131 expression in 293T 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.