

ZNF124 (U-23): sc-134168

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 krueppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF124 (zinc finger protein 124), also known as HZF-16, is a 351 amino acid protein that contains eight C₂H₂-type zinc fingers and one KRAB domain. Localized to the nucleus, ZNF124 belongs to the krueppel C₂H₂-type zinc-finger protein family and is thought to be involved in transcriptional regulation. Four isoforms of ZNF124 exist due to alternative splicing events.

REFERENCES

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6. Englbrecht, C.C., Schoof, H. and Böhm, S. 2004. Conservation, diversification and expansion of C₂H₂ zinc finger proteins in the *Arabidopsis thaliana* genome. *BMC Genomics* 5: 39-39.
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CHROMOSOMAL LOCATION

Genetic locus: ZNF124 (human) mapping to 1q44.

SOURCE

ZNF124 (U-23) is a Protein A purified rabbit polyclonal antibody raised against synthetic ZNF124 peptide 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.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

ZNF124 (U-23) is recommended for detection of ZNF124 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 ZNF124 siRNA (h): sc-88036, ZNF124 shRNA Plasmid (h): sc-88036-SH and ZNF124 shRNA (h) Lentiviral Particles: sc-88036-V.

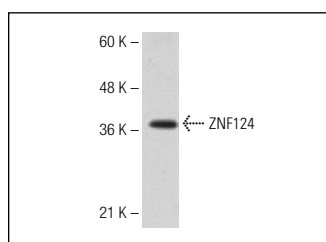
Molecular Weight of ZNF124: 40 kDa.

Positive Controls: JAR cell lysate: sc-2276.

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



ZNF124 (U-23): sc-134168. Western blot analysis of ZNF124 expression in JAR 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.