

ZNF124 (SQ-Y): sc-101078

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. ZNF124 (zinc finger protein 124), also known as HZF-16, is a 351 amino acid protein that contains 8 C₂H₂-type zinc fingers and one KRAB domain. Localized to the nucleus, ZNF124 belongs to the Krüppel 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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CHROMOSOMAL LOCATION

Genetic locus: ZNF124 (human) mapping to 1q44; Zfp825 (mouse) mapping to 13 C1.

SOURCE

ZNF124 (SQ-Y) is a mouse monoclonal antibody raised against recombinant ZNF124 of human origin.

PRODUCT

Each vial contains 50 µg IgG₁ kappa light chain in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

ZNF124 (SQ-Y) is recommended for detection of ZNF124 of mouse and 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 siRNA (m): sc-155637, ZNF124 shRNA Plasmid (h): sc-88036-SH, ZNF124 shRNA Plasmid (m): sc-155637-SH, ZNF124 shRNA (h) Lentiviral Particles: sc-88036-V and ZNF124 shRNA (m) Lentiviral Particles: sc-155637-V.

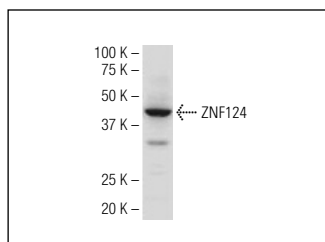
Molecular Weight of ZNF124: 40 kDa.

Positive Controls: RAW 264.7 whole cell lysate: sc-2211 or JAR cell lysate: sc-2276.

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, 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 (SQ-Y): sc-101078. Western blot analysis of ZNF124 expression in Raw 264.7 whole cell lysate.

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 for detailed protocols and support products.