

ZNF14 (U-25): sc-134170

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, ZNF14 (zinc finger protein 14), also known as Zinc finger protein KOX6 and GIOT4 (gonadotropin-inducible ovary transcription repressor 4), is a 642 amino acid nuclear protein that contains one KRAB domain and nineteen C₂H₂-type zinc fingers. The gene encoding ZNF14 maps to human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes.

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CHROMOSOMAL LOCATION

Genetic locus: ZNF14 (human) mapping to 19p13.11; Zfp709 (mouse) mapping to 8 B3.3.

STORAGE

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

SOURCE

ZNF14 (U-25) is an affinity purified rabbit polyclonal antibody raised against synthetic ZNF14 peptide of human origin.

PRODUCT

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

APPLICATIONS

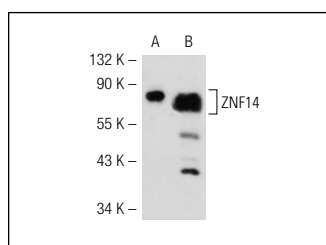
ZNF14 (U-25) is recommended for detection of ZNF14 of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF14 siRNA (h): sc-97528, ZNF14 siRNA (m): sc-155639, ZNF14 shRNA Plasmid (h): sc-97528-SH, ZNF14 shRNA Plasmid (m): sc-155639-SH, ZNF14 shRNA (h) Lentiviral Particles: sc-97528-V and ZNF14 shRNA (m) Lentiviral Particles: sc-155639-V.

Molecular Weight of ZNF14: 75 kDa.

Positive Controls: c4 whole cell lysate: sc-2200.

DATA



ZNF14 (U-25): sc-134170. Western blot analysis of ZNF14 expression in 293T (A) and c4 (B) whole cell lysates.

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.