

ZNF134 (T-12): sc-132513

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. Zinc-finger protein 134 (ZNF134) is a 348 amino acid member of the Krüppel C₂H₂-type zinc-finger protein family. ZNF134 localizes to the nucleus and contains nine C₂H₂-type zinc fingers through which it is thought to be involved in DNA-binding and transcriptional regulation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF134 (human) mapping to 19q13.43.

SOURCE

ZNF134 (T-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF134 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 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-132513 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF134 (T-12) is recommended for detection of ZNF134 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)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other ZNF family members.

Suitable for use as control antibody for ZNF134 siRNA (h): sc-97850, ZNF134 shRNA Plasmid (h): sc-97850-SH and ZNF134 shRNA (h) Lentiviral Particles: sc-97850-V.

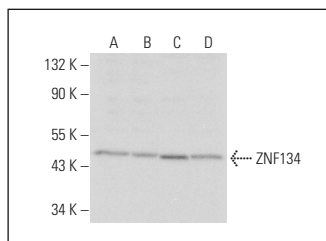
Molecular Weight of ZNF134: 40 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, HeLa nuclear extract: sc-2120 or HEK293 whole cell lysate: sc-45136.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZNF134 (T-12): sc-132513. Western blot analysis of ZNF134 expression in Jurkat (A) and HeLa (B) nuclear extracts and K-562 (C) and HEK293 (D) whole cell lysates.

RESEARCH USE

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