# ZNF750 (H-300): sc-292024



The Power to Question

#### **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 750 (ZNF750) is a 723 amino acid member of the Krüppel  $C_2H_2$ -type zinc finger protein family. Localized to the nucleus, ZNF750 contains one conserved  $C_2H_2$  zinc finger domain and is expressed in the skin, lungs, prostate, placenta and thymus. ZNF750 is also expressed in primary human keratinocytes but not in fibroblasts. Mutations in the gene encoding ZNF750 cause seborrhea-like dermatitis with psoriasiform, a condition characterized by a chronic and diffuse rash on the face and hyperkeratosis of skin over the elbows, soles, knees and palms.

## **REFERENCES**

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF750 (human) mapping to 17q25.3.

### **STORAGE**

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

#### **SOURCE**

ZNF750 (H-300) is a rabbit polyclonal antibody raised against amino acids 161-460 mapping within an internal region of ZNF750 of human origin.

#### **PRODUCT**

Each vial contains 200  $\mu g$  IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-292024 X, 200  $\mu$ q/0.1 ml.

#### **APPLICATIONS**

ZNF750 (H-300) is recommended for detection of ZNF750 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g 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).

Suitable for use as control antibody for ZNF750 siRNA (h): sc-93787, ZNF750 siRNA (m): sc-155789, ZNF750 shRNA Plasmid (h): sc-93787-SH, ZNF750 shRNA Plasmid (m): sc-155789-SH, ZNF750 shRNA (h) Lentiviral Particles: sc-93787-V and ZNF750 shRNA (m) Lentiviral Particles: sc-155789-V.

ZNF750 (H-300) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF750: 77 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

## **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). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### **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.

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