# ZNF250 (Y-14): sc-86950



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. As a member of the krueppel  $C_2H_2$ -type zinc-finger protein family, ZNF250 (Zinc finger protein 250), also known as Zinc finger protein 647, is a 560 amino acid nuclear protein that contains one KRAB domain and 13  $C_2H_2$ -type zinc fingers. ZNF250 seems be involved in cell proliferation and may play a role in growth regulation. There are two isoforms of ZNF250 that are produced as a result of alternative splicing events.

### **REFERENCES**

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#### **CHROMOSOMAL LOCATION**

Genetic locus: ZNF250 (human) mapping to 8q24.3.

## SOURCE

ZNF250 (Y-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF250 of human origin.

## PRODUCT

Each vial contains 100  $\mu g$  IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86950 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-86950 X, 100  $\mu g/0.1$  ml.

#### **APPLICATIONS**

ZNF250 (Y-14) is recommended for detection of ZNF250 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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 ZNF250 siRNA (h): sc-77465, ZNF250 shRNA Plasmid (h): sc-77465-SH and ZNF250 shRNA (h) Lentiviral Particles: sc-77465-V.

ZNF250 (Y-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF250: 63 kDa.

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

# **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 or our catalog for detailed protocols and support products.

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