## 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 670 (ZNF670) is a 389 amino acid member of the Krüppel $\mathrm{C}_{2} \mathrm{H}_{2}$-type zinc finger protein family. Localized to the nucleus, ZNF670 contains nine $\mathrm{C}_{2} \mathrm{H}_{2}$-type zinc fingers and one KRAB domain through which it is thought to be involved in DNAbinding and transcriptional regulation.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF670 (human) mapping to $1 q 44$.

## STORAGE

Store at $4^{\circ} \mathrm{C},{ }^{* *}$ DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

## SOURCE

ZNF670 (P-24) is a purified rabbit polyclonal antibody raised against ZNF670 of human origin.

## PRODUCT

Each vial contains $100 \mu \mathrm{glgG}$ in 1.0 ml PBS with < $0.1 \%$ sodium azide, $0.1 \%$ gelatin and $<0.02 \%$ sucrose.

## APPLICATIONS

ZNF670 (P-24) is recommended for detection of ZNF670 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation $[1-2 \mu \mathrm{~g}$ per $100-500 \mu \mathrm{~g}$ of total protein ( 1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:301:3000).
Suitable for use as control antibody for ZNF670 siRNA (h): sc-88275, ZNF670 shRNA Plasmid (h): sc-88275-SH and ZNF670 shRNA (h) Lentiviral Particles: sc-88275-V.

Molecular Weight of ZNF670: 45 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 MarkerTM compatible goat antirabbit 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).

## DATA



ZNF670 (P-24): sc-102260. Western blot analysis of ZNF670 expression in Hep G2 whole cell lysate.

## RESEARCH USE

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

