

# ZNF19 (H-96): sc-98319



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 Kruppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZNF19, also known as KOX12, belongs to the Kruppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger family of transcriptional regulators. ZNF19 is 458 amino acids in length and contains 10 C<sub>2</sub>H<sub>2</sub>-type zinc fingers and 1 KRAB domain. Expression of ZNF19 is localized to the nucleus.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF19 (human) mapping to 16q22.3.

## RESEARCH USE

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

## SOURCE

ZNF19 (H-96) is a rabbit polyclonal antibody raised against amino acids 71-164 mapping near the N-terminus of ZNF19 of human origin.

## PRODUCT

Each vial contains 200 µg 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-98319 X, 200 µg/0.1 ml.

## APPLICATIONS

ZNF19 (H-96) is recommended for detection of ZNF19 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).

Suitable for use as control antibody for ZNF19 siRNA (h): sc-93436, ZNF19 shRNA Plasmid (h): sc-93436-SH and ZNF19 shRNA (h) Lentiviral Particles: sc-93436-V.

ZNF19 (H-96) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF19: 52 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) 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.

## STORAGE

Store at 4° 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](http://www.scbt.com) or our catalog for detailed protocols and support products.