# ZNF595 (S-16): sc-324683



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. ZNF595 (zinc finger protein 595) is a 648 amino acid protein that contains 18 C<sub>2</sub>H<sub>2</sub>-type zinc fingers and one KRAB domain, and belongs to the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family. Localizing to the nucleus, ZNF595 may be involved in transcriptional regulation. The gene encoding ZNF595 maps to human chromosome 4, which represents approximately 6% of the human genome, contains nearly 900 genes, and is associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

## **REFERENCES**

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- Sommardahl, C., et al. 2001. Phenotypic variations of orpk mutation and chromosomal localization of modifiers influencing kidney phenotype. Physiol. Genomics 7: 127-134.
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## **CHROMOSOMAL LOCATION**

Genetic locus: ZNF595 (human) mapping to 4p16.3.

## **SOURCE**

ZNF595 (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF595 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  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-324683 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

ZNF595 (S-16) is recommended for detection of ZNF595 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); may cross-react with other zinc finger proteins.

Suitable for use as control antibody for ZNF595 siRNA (h): sc-88943, ZNF595 shRNA Plasmid (h): sc-88943-SH and ZNF595 shRNA (h) Lentiviral Particles: sc-88943-V.

Molecular Weight of ZNF595: 74 kDa.

## **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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (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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