



## ZNF195 (Q-14): sc-132901

### 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 195 (ZNF195), also known as ZNFP104, is a 629 amino acid member of the Krüppel C<sub>2</sub>H<sub>2</sub>-type zinc-finger protein family. Localized to the nucleus, ZNF195 is expressed in adult brain, heart, placenta, pancreas and skeletal muscle and in fetal brain, lung and kidney. ZNF195 contains ten C<sub>2</sub>H<sub>2</sub>-type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation. Three isoforms of ZNF195 exist as a result of alternative splicing events.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: ZNF195 (human) mapping to 11p15.4.

### RESEARCH USE

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

### SOURCE

ZNF195 (Q-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF195 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.

Blocking peptide available for competition studies, sc-132901 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

ZNF195 (Q-14) is recommended for detection of ZNF195 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:5000) 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 ZNF195 siRNA (h): sc-96414, ZNF195 shRNA Plasmid (h): sc-96414-SH and ZNF195 shRNA (h) Lentiviral Particles: sc-96414-V.

Molecular Weight of ZNF195: 72 kDa.

Positive Controls: fetal lung tissue.

### 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) or donkey anti-goat IgG-TR: sc-2783 (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.