

ZNF800 (S-15): sc-249808

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. ZNF800 (zinc finger protein 800) is a 664 amino acid protein that belongs to the Krüppel C₂H₂-type zinc-finger protein family and contains 7 C₂H₂-type zinc fingers. Localizing to the nucleus, ZNF800 is thought to play a role in transcriptional regulation and is encoded by a gene that maps to human chromosome 7q31.33.

REFERENCES

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2. Mark, C., Abrink, M. and Hellman, L. 1999. Comparative analysis of KRAB zinc finger proteins in rodents and man: evidence for several evolutionarily distinct subfamilies of KRAB zinc finger genes. *DNA Cell Biol.* 18: 381-396.
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CHROMOSOMAL LOCATION

Genetic locus: ZNF800 (human) mapping to 7q31.33; Zfp800 (mouse) mapping to 6 A3.2.

SOURCE

ZNF800 (S-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF800 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-249808 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF800 (S-15) is recommended for detection of ZNF800 of mouse, rat and 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).

ZNF800 (S-15) is also recommended for detection of ZNF800 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for ZNF800 siRNA (h): sc-89759, ZNF800 siRNA (m): sc-155802, ZNF800 shRNA Plasmid (h): sc-89759-SH, ZNF800 shRNA Plasmid (m): sc-155802-SH, ZNF800 shRNA (h) Lentiviral Particles: sc-89759-V and ZNF800 shRNA (m) Lentiviral Particles: sc-155802-V.

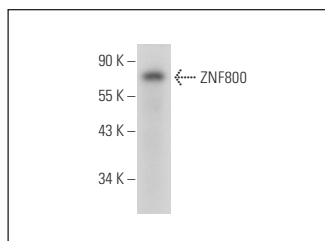
Molecular Weight of ZNF800: 75 kDa.

Positive Controls: mouse placenta extract: sc-364247.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



ZNF800 (S-15): sc-249808. Western blot analysis of ZNF800 expression in mouse placenta tissue extract.

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.