

ZNF512 (N-15): sc-132559

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. As a member of the Krüppel C₂H₂-type zinc-finger protein family, ZNF512 (zinc finger protein 512) is a 567 amino acid protein containing 4 C₂H₂-type zinc fingers. Localized to the nucleus, ZNF512 is thought to be involved in transcriptional regulation. The gene encoding ZNF512 maps to chromosome 2 which consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome is due to mutations in the ALMS1 gene.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF512 (human) mapping to 2p23.3; Zfp512 (mouse) mapping to 5 B1.

SOURCE

ZNF512 (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZNF512 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 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-132559 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF512 (N-15) is recommended for detection of ZNF512 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); non cross-reactive with other ZNF family members.

ZNF512 (N-15) is also recommended for detection of ZNF512 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ZNF512 siRNA (h): sc-94755, ZNF512 siRNA (m): sc-155733, ZNF512 shRNA Plasmid (h): sc-94755-SH, ZNF512 shRNA Plasmid (m): sc-155733-SH, ZNF512 shRNA (h) Lentiviral Particles: sc-94755-V and ZNF512 shRNA (m) Lentiviral Particles: sc-155733-V.

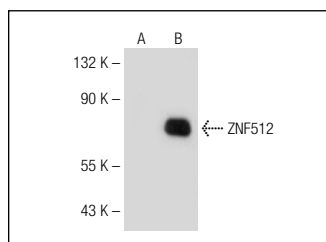
Molecular Weight of ZNF512: 65 kDa.

Positive Controls: ZNF512 (m): 293T Lysate: sc-124803.

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



ZNF512 (N-15): sc-132559. Western blot analysis of ZNF512 expression in non-transfected: sc-117752 (A) and mouse ZNF512 transfected: sc-124803 (B) 293T whole cell lysates.

RESEARCH USE

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