

ZNF508 (A-12): sc-85239



The Power to Question

BACKGROUND

The homeobox DNA-binding domain is a 60 amino acid motif that is conserved among many species and functions to bind DNA via a helix-turn-helix structure, thereby playing a role in transcriptional regulation and the control of gene expression. ZNF508 (zinc-finger protein 508), also known as ADNP2 (ADNP homeobox 2), is a 1,131 amino acid protein that contains one homeobox DNA-binding domain and 4 C₂H₂-type zinc fingers. Localized to the nucleus, ZNF508 belongs to the krueppel C₂H₂-type zinc finger family and is thought to be involved in transcriptional regulation. The gene encoding ZNF508 maps to human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

REFERENCES

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4. Petek, E., et al. 2003. Characterisation of a 19-year-old "long-term survivor" with Edwards syndrome. *Genet. Couns.* 14: 239-244.
5. Grosso, S., et al. 2005. Chromosome 18 aberrations and epilepsy: a review. *Am. J. Med. Genet. A* 134: 88-94.
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CHROMOSOMAL LOCATION

Genetic locus: ADNP2 (human) mapping to 18q23; Adnp2 (mouse) mapping to 18 E3.

SOURCE

ZNF508 (A-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of ZNF508 of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85239 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-85239 X, 100 µg/0.1 ml.

APPLICATIONS

ZNF508 (A-12) is recommended for detection of ZNF508 of mouse, rat and 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); non cross-reactive with other ZNF family members.

ZNF508 (A-12) is also recommended for detection of ZNF508 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ZNF508 siRNA (h): sc-76990, ZNF508 siRNA (m): sc-155731, ZNF508 shRNA Plasmid (h): sc-76990-SH, ZNF508 shRNA Plasmid (m): sc-155731-SH, ZNF508 shRNA (h) Lentiviral Particles: sc-76990-V and ZNF508 shRNA (m) Lentiviral Particles: sc-155731-V.

ZNF508 (A-12) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF508: 122 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) 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 or our catalog for detailed protocols and support products.