

ZNF821 (G-14): sc-132201

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 821 (ZNF821) is a 412 amino acid member of the Krüppel C₂H₂-type zinc finger protein family. Localized to the nucleus, ZNF821 contains two C₂H₂-type zinc fingers through which it is thought to be involved in DNA-binding and transcriptional regulation. Two isoforms of ZNF821 exist as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF821 (human) mapping to 16q22.2; Znf821 (mouse) mapping to 8 D3.

SOURCE

ZNF821 (G-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF821 of human origin.

RESEARCH USE

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

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-132201 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF821 (C-12) is recommended for detection of ZNF821 isoforms 1 and 2 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.

ZNF821 (G-14) is also recommended for detection of ZNF821 isoforms 1 and 2 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for ZNF821 siRNA (h): sc-93325, ZNF821 siRNA (m): sc-155804, ZNF821 shRNA Plasmid (h): sc-93325-SH, ZNF821 shRNA Plasmid (m): sc-155804-SH, ZNF821 shRNA (h) Lentiviral Particles: sc-93325-V and ZNF821 shRNA (m) Lentiviral Particles: sc-155804-V.

Molecular Weight of ZNF821: 47 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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 or our catalog for detailed protocols and support products.