ZNF740 (S-15): sc-324748



The Power to Question

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. ZNF740 (zinc finger protein 740) is a 193 amino acid protein that localizes to the nucleus and contains 3 C_2H_2 -type zinc fingers. One of several members of the Krüppel C_2H_2 -type zinc-finger protein family, ZNF740 is thought to play a role in transcriptional regulation. The gene encoding ZNF740 maps to human chromosome 12, which houses over 1,100 genes and comprises approximately 4.5% of the human genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF740 (human) mapping to 12q13.13; Zfp740 (mouse) mapping to 15 F3.

SOURCE

ZNF740 (S-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF740 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-324748 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ZNF740 (S-15) is recommended for detection of ZNF740 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 zinc finger proteins.

Suitable for use as control antibody for ZNF740 siRNA (h): sc-95774, ZNF740 siRNA (m): sc-155787, ZNF740 shRNA Plasmid (h): sc-95774-SH, ZNF740 shRNA Plasmid (m): sc-155787-SH, ZNF740 shRNA (h) Lentiviral Particles: sc-95774-V and ZNF740 shRNA (m) Lentiviral Particles: sc-155787-V.

Molecular Weight of ZNF740: 22 kDa.

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.

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.

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