

ZFH4 (L-17): sc-82775

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 krueppel-type DNA binding domain and a KRAB domain, which are thought to interact with KAP1, thereby recruiting histone modifying proteins. ZFH4, also designated ZFH4 or ZHF4, is a 3,567 amino acid nuclear protein expressed in brain, skeletal muscle and liver with very low expression in stomach. Belonging to the krueppel C₂H₂-type zinc-finger protein family, ZFH4 may play a role in neural and muscle differentiation and may be involved in transcriptional regulation. ZFH4 contains 20 C₂H₂-type zinc fingers and 4 homeobox DNA-binding domains, and exists as 3 alternatively spliced variants.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZFH4 (human) mapping to 8q21.11; Zfhx4 (mouse) mapping to 3 A1.

SOURCE

ZFH4 (L-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ZFH4 of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-82775 P, (100 μ g 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-82775 X, 200 μ g/0.1 ml.

APPLICATIONS

ZFH4 (L-17) is recommended for detection of ZFH4 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).

ZFH4 (L-17) is also recommended for detection of ZFH4 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for ZFH4 siRNA (h): sc-76956, ZFH4 siRNA (m): sc-76957, ZFH4 shRNA Plasmid (h): sc-76956-SH, ZFH4 shRNA Plasmid (m): sc-76957-SH, ZFH4 shRNA (h) Lentiviral Particles: sc-76956-V and ZFH4 shRNA (m) Lentiviral Particles: sc-76957-V.

ZFH4 (L-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZFH4: 397 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.