

ZNF786 (E-21): sc-134211

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. ZNF786 (zinc finger protein 786) is a 782 amino acid protein that belongs to the Krüppel C₂H₂-type zinc-finger protein family and is thought to function in transcriptional regulation. Localizing to nucleus, ZNF786 contains sixteen C₂H₂-type zinc fingers, a single KRAB domain and is encoded by a gene that maps to human chromosome 7q36.1.

REFERENCES

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2. Mark, C., Abrink, M. and Hellman, L. 1999. Comparative analysis of KRAB zinc finger proteins in rodents and man: evidence for several evolutionarily distinct subfamilies of KRAB zinc finger genes. *DNA Cell Biol.* 18: 381-396.
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CHROMOSOMAL LOCATION

Genetic locus: ZNF786 (human) mapping to 7q36.1.

SOURCE

ZNF786 (E-21) is a Protein A purified rabbit polyclonal antibody raised against synthetic ZNF786 peptide of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

ZNF786 (E-21) is recommended for detection of ZNF786 of 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF786 siRNA (h): sc-89506, ZNF786 shRNA Plasmid (h): sc-89506-SH and ZNF786 shRNA (h) Lentiviral Particles: sc-89506-V.

Molecular Weight of ZNF786 (predicted): 90 kDa.

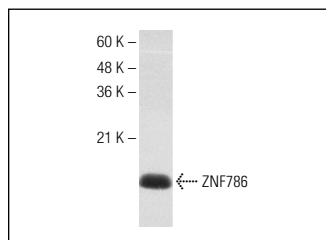
Molecular Weight of ZNF786 (observed): 13 kDa.

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

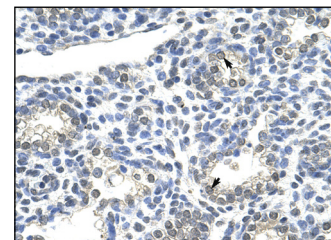
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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. 4) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



ZNF786 (E-21): sc-134211. Western blot analysis of ZNF786 expression in Jurkat whole cell lysate.



ZNF786 (E-21): sc-134211. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human lung tissue showing nuclear and cytoplasmic localization.

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.