

ZNF133 (P-19): sc-86037

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. ZNF133 (zinc finger protein 133), also known as ZNF150 (zinc finger protein 150), is a 654 amino acid transcriptional regulator that is expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. The KRAB domain derived from ZNF133 is suggested to be a potent transcriptional repression domain and its repression activity may be enhanced by PIAS 1 (protein inhibitor of activated STAT protein 1).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF133 (human) mapping to 20p11.23.

SOURCE

ZNF133 (P-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of ZNF133 of human origin.

STORAGE

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

PRODUCT

Each vial contains 100 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-86037 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-86037 X, 100 μ g/0.1 ml.

APPLICATIONS

ZNF133 (P-19) is recommended for detection of ZNF133 of 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.

ZNF133 (P-19) is also recommended for detection of ZNF133 in additional species, including equine.

Suitable for use as control antibody for ZNF133 siRNA (h): sc-76968, ZNF133 shRNA Plasmid (h): sc-76968-SH and ZNF133 shRNA (h) Lentiviral Particles: sc-76968-V.

ZNF133 (P-19) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF133: 73 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.

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.