SANTA CRUZ BIOTECHNOLOGY, INC.

ZNF7 (T-17): sc-98238

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. ZNF7 (zinc finger protein 7), also known as KOX4 or HF.16, is a 686 amino acid zinc-finger protein that belongs to the Krüppel C_2H_2-type zinc finger family. Localized to the nucleus, ZFP3 contains fifteen C_2H_2-type zinc fingers and is thought to play a role in transcriptional regulation.

REFERENCES

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2. Thiesen, H.J. 1990. Multiple genes encoding zinc finger domains are expressed in human T cells. New Biol. 2: 363-374.
3. Bray, P., Lichter, P., Thiesen, H.J., Ward, D.C. and Dawid, I.B. 1991. Characterization and mapping of human genes encoding zinc finger proteins. Proc. Natl. Acad. Sci. USA 88: 9563-9567.
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CHROMOSOMAL LOCATION

Genetic locus: ZNF7 (human) mapping to 8q24.3.

SOURCE

ZNF7 (T-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of ZNF7 of human origin.

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-98238 P, (100 µg 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-98238 X, 100 µg/0.1 ml.

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.

APPLICATIONS

ZNF7 (T-17) is recommended for detection of ZNF7 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.

ZNF7 (T-17) is also recommended for detection of ZNF7 in additional species, including porcine.

Suitable for use as control antibody for ZNF7 siRNA (h): sc-77562, ZNF7 shRNA Plasmid (h): sc-77562-SH and ZNF7 shRNA (h) Lentiviral Particles: sc-77562-V.

ZNF7 (T-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZNF7: 78 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.

PROTOCOLS

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