

ZBTB7C (E-15): sc-85219



The Power to Question

BACKGROUND

The BTB (broad-complex, tramtrack and bric a brac) domain, also known as the POZ (poxvirus and zinc finger) domain, is an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C₂H₂-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. The zinc finger and BTB domain-containing protein 7C (ZBTB7C), also designated affected by papillomavirus DNA integration in ME180 cells protein 1 (APM-1), contains one BTB (POZ) domain and four C₂H₂-type zinc fingers. ZBTB7C is detected in normal cervical keratinocytes and may be a potential tumor suppressor gene against human papillomavirus (HPV) mediated cervical carcinogenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZBTB7C (human) mapping to 18q21.1; Zbtb7c (mouse) mapping to 18 E3.

SOURCE

ZBTB7C (E-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZBTB7C 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 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-85219 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-85219 X, 100 µg/0.1 ml.

APPLICATIONS

ZBTB7C (E-15) is recommended for detection of ZBTB7C of mouse 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).

ZBTB7C (E-15) is also recommended for detection of ZBTB7C in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ZBTB7C siRNA (h): sc-76950, ZBTB7C siRNA (m): sc-155454, ZBTB7C shRNA Plasmid (h): sc-76950-SH, ZBTB7C shRNA Plasmid (m): sc-155454-SH, ZBTB7C shRNA (h) Lentiviral Particles: sc-76950-V and ZBTB7C shRNA (m) Lentiviral Particles: sc-155454-V.

ZBTB7C (E-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of ZBTB7C: 69 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.

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.