

ZBRK1 (H-273): sc-366221

BACKGROUND

The transcriptional repressor ZBRK1, also designated zinc finger and BRCA1-interacting protein with a KRAB domain 1 or zinc finger protein 350, belongs to the Krüppel C₂H₂-type zinc-finger protein family of proteins. ZBRK1 localizes mainly to the nucleus and may be associated with the nuclear matrix. It is a widely expressed protein that binds to BRCA1. ZBRK1 plays an important role in transcriptional regulation. Likely targets of gene regulation are DNA damage response genes, which effect the survival and growth control of cells. ZBRK1 contains an N-terminal KRAB domain, a C-terminal BRCA1-binding region and eight central zinc-fingers.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: ZNF350 (human) mapping to 19q13.41.

SOURCE

ZBRK1 (H-273) is a rabbit polyclonal antibody raised against amino acids 133-405 mapping within an internal region of ZBRK1 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.

APPLICATIONS

ZBRK1 (H-273) is recommended for detection of ZBRK1 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

ZBRK1 (H-273) is also recommended for detection of ZBRK1 in additional species, including canine.

Suitable for use as control antibody for ZBRK1 siRNA (h): sc-61824, ZBRK1 shRNA Plasmid (h): sc-61824-SH and ZBRK1 shRNA (h) Lentiviral Particles: sc-61824-V.

Molecular Weight of ZBRK1: 60 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) 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.

RESEARCH USE

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