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SANTA CRUZ BIOTECHNOLOGY, INC.

ZRANB2 (h2): 293T Lysate: sc-370093

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. ZRANB2 (zinc finger Ran-binding domain-containing protein 2), also known as ZNF265 (zinc finger protein 265), ZIS, ZIS1 or ZIS2, is a 330 amino acid protein that belongs to the ZRANB2 family. Localized to the nucleus, ZRANB2 functions as a splicing factor that is responsible for alternatively splicing Tra-2β (transformer-2 β) transcripts and is thought to interfere with constitutive 5'-splice selection. ZRANB2 contains two RanBP2-type zinc fingers through which it conveys its RNA-binding activity. Two isoforms, designated ZIS-1 and ZIS-2, are expressed due to alternative splicing events. Upon DNA damage, ZIS-2 may be phosphorylated by ATM or ATR.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZRANB2 (human) mapping to 1p31.1.

PRODUCT

ZRANB2 (h2): 293T Lysate represents a lysate of human ZRANB2 (h2) transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

ZRANB2 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive ZRANB2 (h2) antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

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