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RNF181 (m2): 293T Lysate: sc-123238

BACKGROUND

The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. RNF181 (RING finger protein 181) is a 153 amino acid protein that contains one RING-type zinc finger and belongs to the RNF181 family. RNF181 is auto-ubiquitinated as part of the enzymatic reaction, and upon DNA damage, RNF181 is phosphorylated by ATM or ATR. RNF181 demonstrates highest levels of expression in liver and heart, moderate levels in placenta, lung, liver, kidney, pancreas, and lower levels in brain and skeletal muscle. The RNF181 gene is conserved in chimpanzee, canine, bovine, mouse, rat, zebrafish and fruit fly, and maps to human chromosome 2p11.2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Rnf181 (mouse) mapping to 6 C1.

PRODUCT

RNF181 (m2): 293T Lysate represents a lysate of mouse RNF181 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.

APPLICATIONS

RNF181 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RNF181 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.

PROTOCOLS

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