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OTUD7B (h2): 293T Lysate: sc-370269

BACKGROUND

OTUD7B (OTU domain-containing protein 7B), also known as ZA20D1 or Cezanne, is an 843 amino acid protein that localizes to both the nucleus and the cytoplasm. Expressed in a variety of tissues, including liver, kidney, heart and immature B-cells, OTUD7B functions to hydrolyze branched and linear forms of polyubiquitin, specifically deubiquinating Lys-48- and Lys-63-linked polyubiquitin chains. Via its ability to deubiquinate target proteins, OTUD7B regulates the inflammatory response within the cell and may play a role in cell survival. More specifically, OTUD7B forms a negative feedback loop in pro-inflammatory signaling, thereby suppressing NF κ B activity and helping to resolve inflammatory responses. OTUD7B contains one C-terminal A20-type zinc finger, one OTU domain and one N-terminal TRAF-binding domain through which it conveys its deubiquitinating activity.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: OTUD7B (human) mapping to 1q21.2.

PRODUCT

OTUD7B (h2): 293T Lysate represents a lysate of human OTUD7B transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

OTUD7B (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive OTUD7B antibodies. Recommended use: 10-20 μ l per lane.

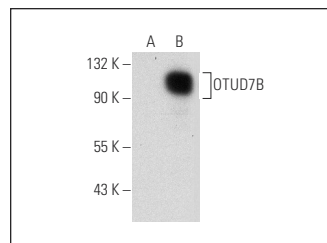
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

OTUD7B (H-4): sc-514402 is recommended as a positive control antibody for Western Blot analysis of enhanced human OTUD7B expression in OTUD7B transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

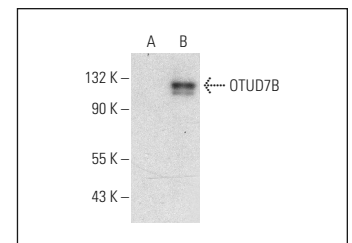
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



OTUD7B (H-4): sc-514402. Western blot analysis of OTUD7B expression in non-transfected: sc-117752 (A) and human OTUD7B transfected: sc-370269 (B) 293T whole cell lysates.



OTUD7B (A-11): sc-514334. Western blot analysis of OTUD7B expression in non-transfected: sc-117752 (A) and human OTUD7B transfected: sc-370269 (B) 293T whole cell lysates.

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.