SANTA CRUZ BIOTECHNOLOGY, INC.

# 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 NFκB 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 µg protein in 200 µl 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 µl per lane.

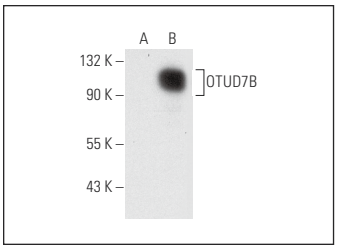
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

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).

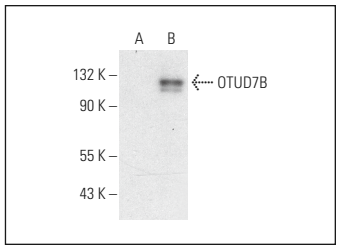
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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.