# REDD1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A302-169A

Lot No. A302-169A-1

Protein ID NP_061931.1

GeneID 54541

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| **APPLICATIONS** | WB, IP, ICC-IF |
| **SPECIES REACTIVITY** | Human |
| **PRESUMED REACTIVITY** | Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat, Bovine, Dog, Horse, Rabbit, Panda, Orangutan, Monkey, Gorilla and Chimpanzee |
| **AMOUNT** | 100 µl |
| **CONCENTRATION** | 1000 µg/ml |
| **STORAGE/SHELF LIFE** | 2 - 8° C / 1 year from date of receipt |
| **PHYSICAL STATE** | Liquid |
| **BUFFER** | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| **ISOTYPE** | IgG |
| **ORIGIN** | USA |
| **PRODUCTION PROCEDURES** | Antibody was affinity purified using an epitope specific to REDD1 immobilized on solid support.<br><br>The epitope recognized by A302-169A maps to a region between residue 1 and 50 of human protein regulated in development and DNA damage response 1 (DNA-damage-inducible transcript 4) using the numbering given in entry NP_061931.1 (GeneID 54541).<br><br>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG. |
| **APPLICATIONS** | Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. |

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| Western Blot | 1:1,000 - 1:4,000 |
| Immunoprecipitation | 5 - 15 µg/mg lysate |
| Immunofluorescence (ICC) | 1:500 - 1:2,000. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells. |

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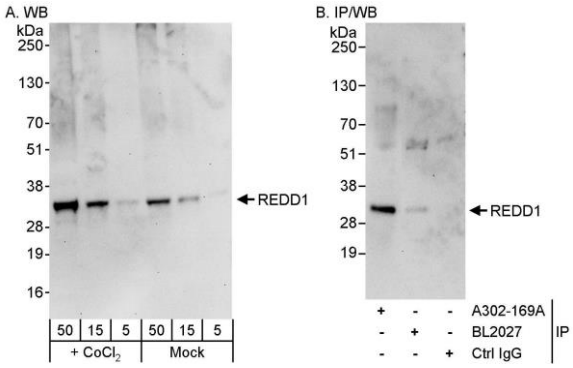
| **APPLICATION NOTES** | Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).<br><br>Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE. |
| **IHC HUMAN CONTROLS** | HeLa Cells |
| **ADDITIONAL INFO** | https://www.bethyl.com/product/A302-169A<br>Use the link above to view SDS, a current list of citations, and other product specific information.<br>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB |

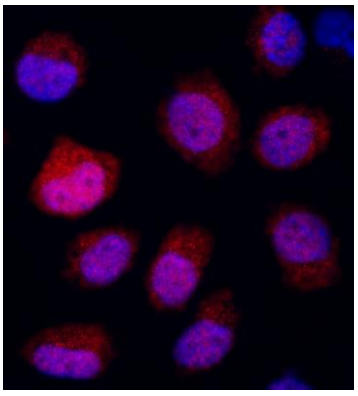
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019




**Detection of human REDD1 by western blot and immunoprecipitation.** *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Lysate was prepared from cells that had been treated with cobalt chloride (A and B) or mock treated (A). *Antibodies:* Affinity purified rabbit anti-REDD1 antibody A302-169A used for WB at 0.4 µg/ml (A) and 1 µg/ml (B) and used for IP at 10 µg/mg lysate. REDD1 was also immunoprecipitated, albeit poorly, by rabbit anti-REDD1 antibody BL2027, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A and B).



**Detection of human REDD1 by immunocytochemistry.** *Sample:* NBF-fixed asynchronous, Cobalt-treated HeLa cells. *Antibody:* Affinity purified rabbit anti-REDD1 (Cat. No. A302-169A Lot1) used at a dilution of 1:500 (2 µg/ml). *Detection:* Red-fluorescent goat anti-rabbit IgG H&L cross-adsorbed Antibody DyLight®594 used at a dilution of 1:100.