

Mouse anti-Human REDD1 Monoclonal Antibody | anti-REDD1 antibody

Mouse anti-REDD1 Monoclonal Antibody [1G11]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213493	Mouse	Human	Immunocytochemistry, Immunoprecipitation, Western Blot

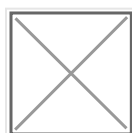
PRODUCT SYNONYMS

REDD1; Monoclonal Antibody; Mouse anti-REDD1 Monoclonal Antibody [1G11]; protein regulated in development and DNA damage response 1; HIF-1 responsive protein RTP801; DNA damage-inducible transcript 4 protein; Dig2; REDD-1; DNA damage inducible transcript 4; anti-REDD1 antibody

PRODUCT SPECIFICATIONS

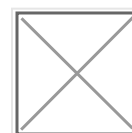
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	1G11
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-REDD1 antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Human REDD1
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human REDD1 by western blot and immunoprecipitation. Samples: Whole cell lysate (WCL) [50 ug for WB; 1mg for IP, 20% of IP loaded] from HeLa cells. Lysate was prepared from untreated (-) cells or cells treated (+) with CoCl₂. Antibodies: Mouse monoclonal anti-REDD1 antibody [1G11] (AAA213493 lot 1) was used at 1:1000 for WB and 3 ul/mg of lysate for IP. REDD1 was also immunoprecipitated (lanes 5&6) by rabbit anti-REDD1 antibody . Secondary: HRP-conjugated goat anti-mouse IgG . Detection: Chemiluminescence with an exposure time of 10 seconds.



ICC (Immunocytochemistry)

Detection of human REDD1 by immunocytochemistry. Sample: Formaldehyde-fixed, CoCl₂ treated, asynchronous HeLa cells. Antibody: Mouse monoclonal anti-REDD1 [1G11] (AAA213493 lot 2) used at a dilution of 1:250. Secondary: FITC-conjugated goat anti-mouse IgG antibody .

ADDITIONAL INFORMATION

Related Product Information for anti-REDD1 antibody

REDD1 (regulated in development and DNA damage response 1) is a direct transcriptional target of HIF. It plays a role in the TSC/mTOR pathway as a regulator upstream of the TSC1/2 complex. In response to both hypoxia and energy stress, REDD1 inhibits mTOR activity in a TSC-dependent manner. Alternative names for REDD1 include DDIT4, DNA-damage-inducible transcript 4 protein, and RTP801.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506687
NCBI GeneID	54541
NCBI Accession #	NP_061931.1
NCBI GenBank Nucleotide #	NM_019058.2
UniProt Accession #	Q9NX09; Q9H0S3
Molecular Weight	25,371 Da
NCBI Official Full Name	DNA damage-inducible transcript 4 protein
NCBI Official Synonym Full Names	DNA-damage-inducible transcript 4
NCBI Official Symbol	DDIT4
NCBI Official Synonym Symbols	Dig2; REDD1; REDD-1
NCBI Protein Information	DNA damage-inducible transcript 4 protein; HIF-1 responsive protein RTP801; protein regulated in development and DNA damage response 1
UniProt Protein Name	DNA damage-inducible transcript 4 protein
UniProt Gene Name	DDIT4
UniProt Synonym Gene Names	REDD1; RTP801; REDD-1
UniProt Entry Name	DDIT4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/redd1-antibody-clone-1g11-immunocytochemistry-immunoprecipitation-western-blot-elisa/213493>