

Product datasheet for **CF504309**

GADD34 (PPP1R15A) Mouse Monoclonal Antibody [Clone ID: OTI2B11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2B11
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500~2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PPP1R15A(NP_055145) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73.3 kDa
Gene Name:	protein phosphatase 1 regulatory subunit 15A
Database Link:	NP_055145 Entrez Gene 17872 Mouse Entrez Gene 23645 Human O75807



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Background:

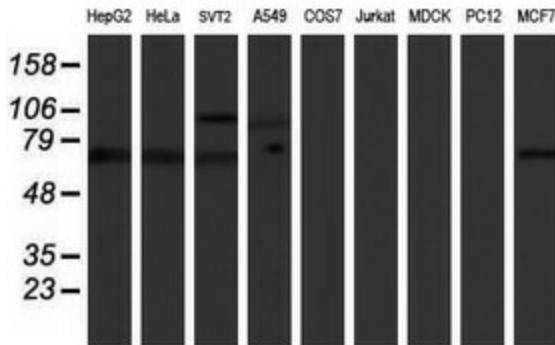
This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The induction of this gene by ionizing radiation occurs in certain cell lines regardless of p53 status, and its protein response is correlated with apoptosis following ionizing radiation. [provided by RefSeq, Jul 2008]

Synonyms:

GADD34

Protein Families:

Druggable Genome

Product images:


Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PPP1R15A monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).

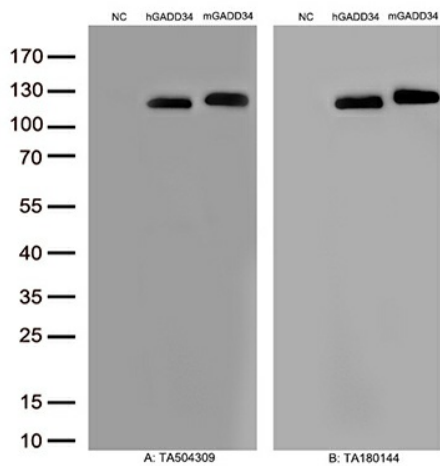
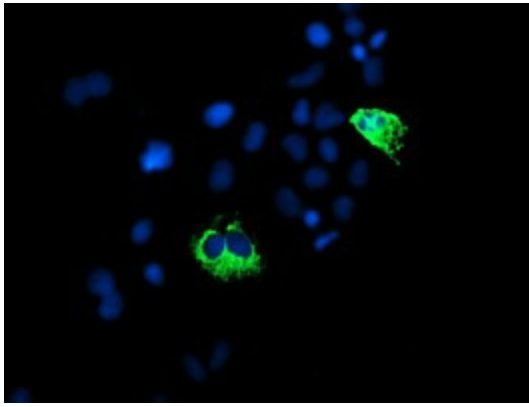
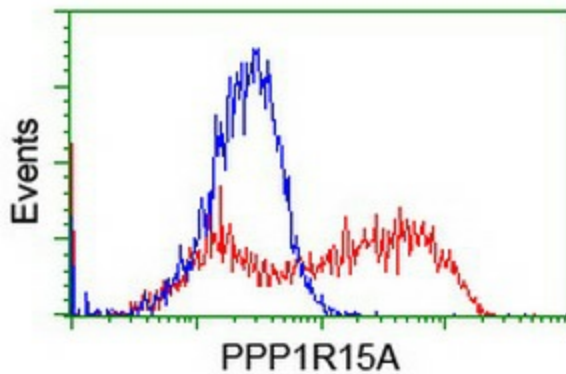


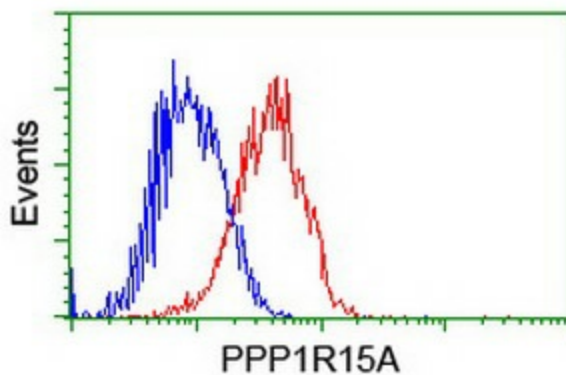
Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human GADD34 plasmid ([RC200581], hGADD34), mouse GADD34 plasmid ([MR227514], mGADD34) using anti-GADD34 antibody [TA504309](1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



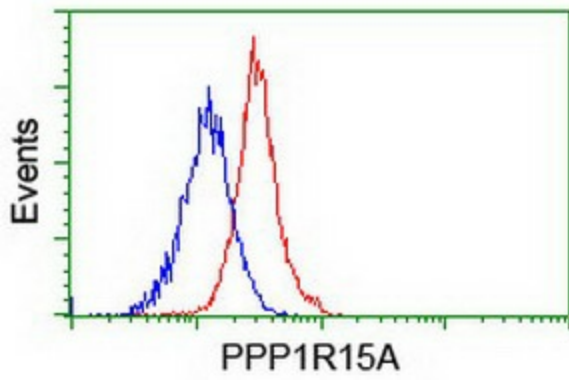
Anti-PPP1R15A mouse monoclonal antibody ([TA504309]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PPP1R15A ([RC200581]).



HEK293T cells transfected with either [RC200581] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PPP1R15A antibody ([TA504309]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-PPP1R15A antibody ([TA504309]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-PPP1R15A antibody ([TA504309]), (Red), compared to a nonspecific negative control antibody, (Blue).