

## Product datasheet for **TA504309**

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

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2B11
<b>Applications:</b>	FC, IF, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PPP1R15A(NP_055145) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	73.3 kDa
<b>Gene Name:</b>	protein phosphatase 1 regulatory subunit 15A
<b>Database Link:</b>	<a href="#">NP_055145</a> <a href="#">Entrez Gene 17872 Mouse</a> <a href="#">Entrez Gene 23645 Human</a> <a href="#">O75807</a>
<b>Background:</b>	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]

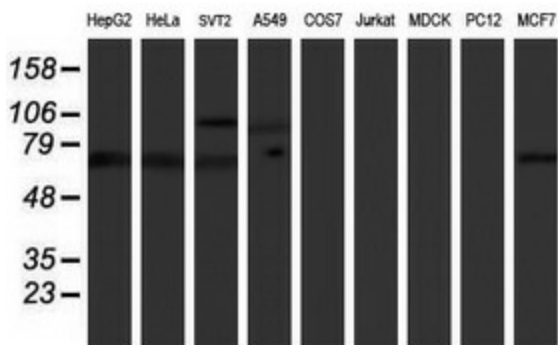


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Synonyms: GADD34

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).

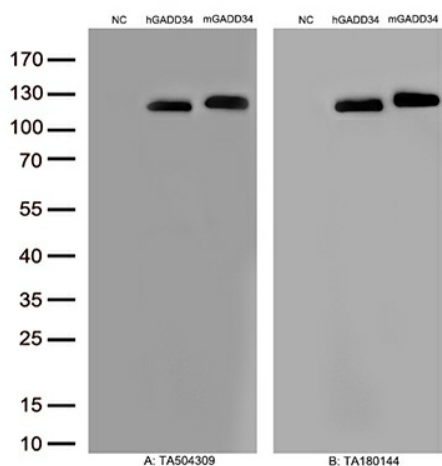
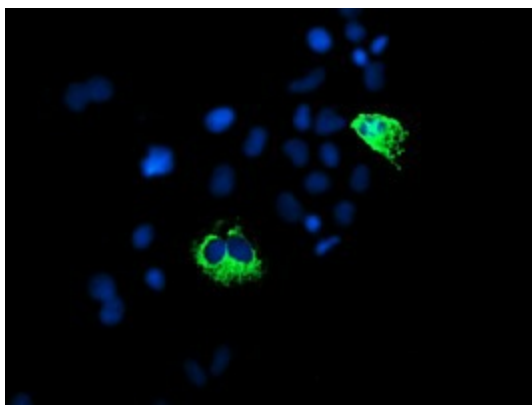
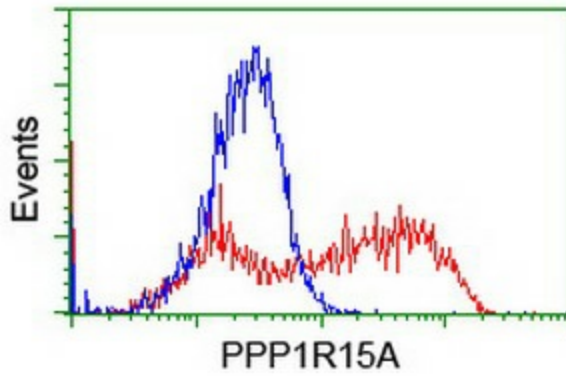


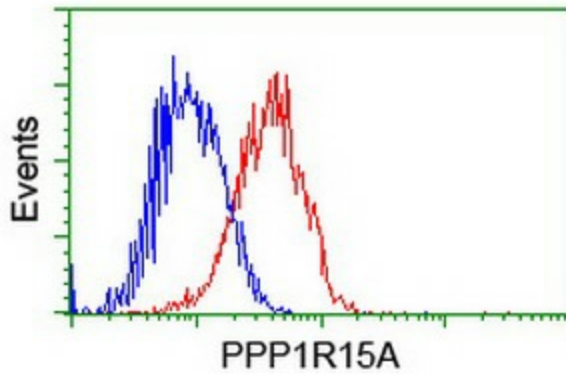
Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human GADD34 plasmid ([RC200581], hGADD34), mouse GADD34 plasmid ([MR227514], mGADD34) using anti-GADD34 antibody TA504309(1:500).  
Figure B, Western blot analysis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



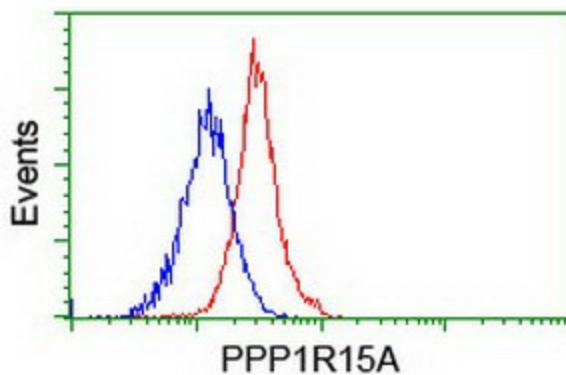
Anti-PPP1R15A mouse monoclonal antibody (TA504309) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PPP1R15A ([RC200581]).



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).