

## Product datasheet for **CF504310**

### **GADD34 (PPP1R15A) Mouse Monoclonal Antibody [Clone ID: OTI3D12]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3D12
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Dog, Rat, Monkey, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PPP1R15A(NP_055145) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	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)
<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 171071 Rat</a> <a href="#">Entrez Gene 476419 Dog</a> <a href="#">Entrez Gene 718350 Monkey</a> <a href="#">Entrez Gene 23645 Human</a> <a href="#">O75807</a>



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**Background:**

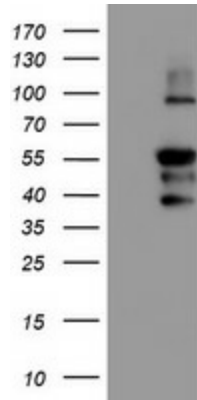
This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The induction of this gene by ionizing radiation occurs in certain cell lines regardless of p53 status, and its protein response is correlated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

**Synonyms:**

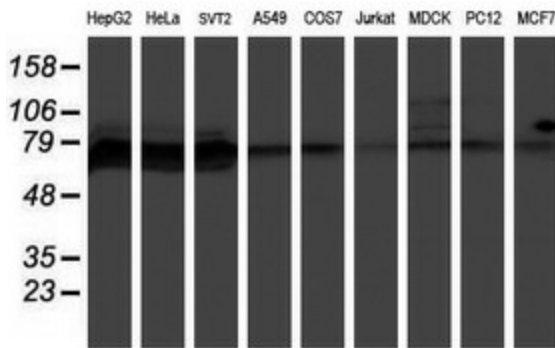
GADD34

**Protein Families:**

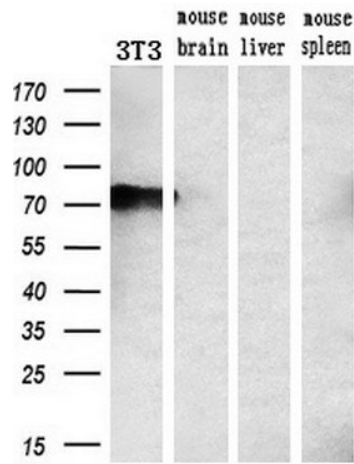
Druggable Genome

**Product images:**


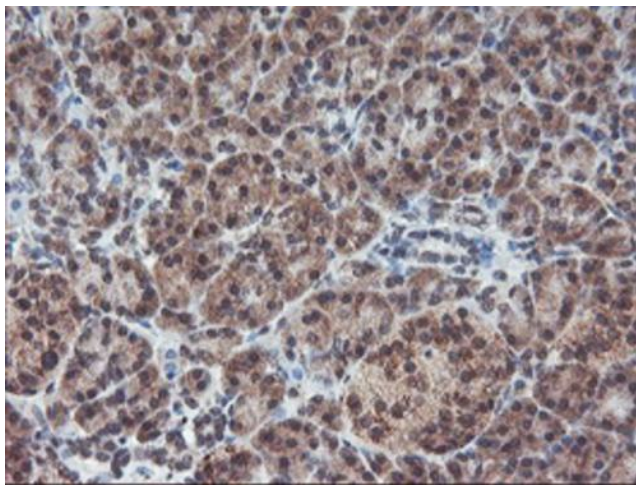
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PPP1R15A (Cat# [RC200581], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPP1R15A (Cat# [TA504310]). Positive lysates [LY415358] (100ug) and [LC415358] (20ug) can be purchased separately from OriGene.



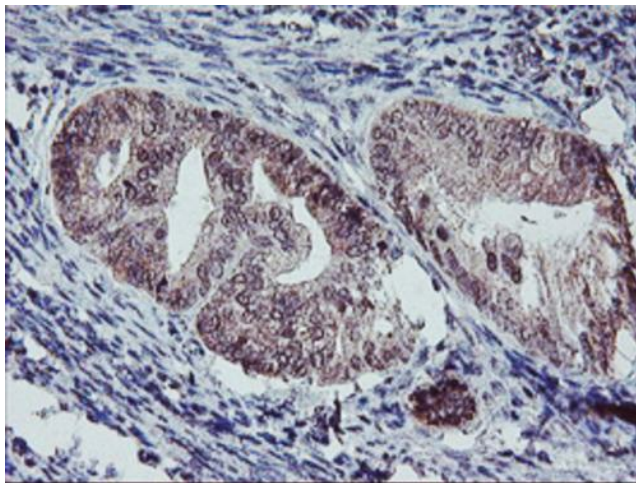
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PPP1R15A monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



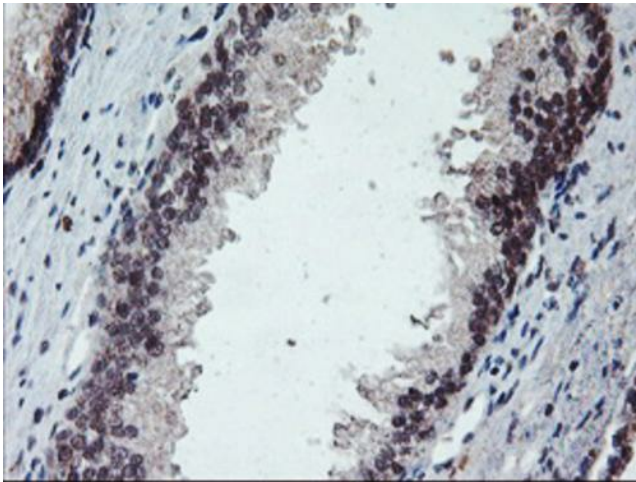
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-PPP1R15A monoclonal antibody (1:200).



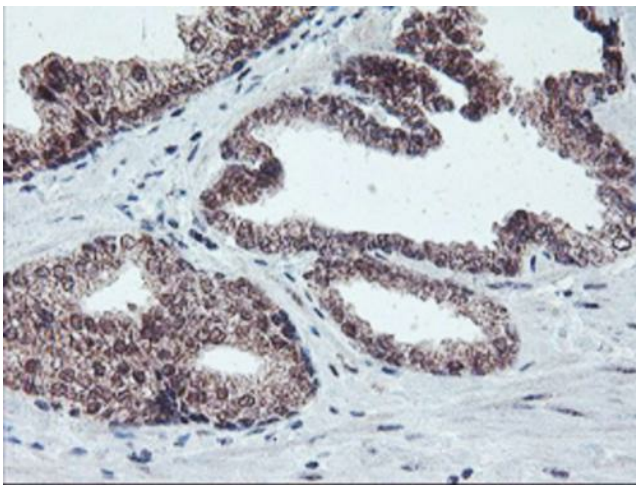
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PPP1R15A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504310])



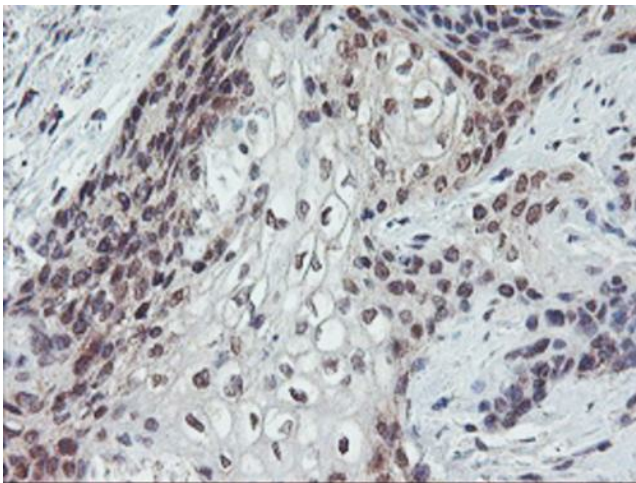
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PPP1R15A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504310])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PPP1R15A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504310])

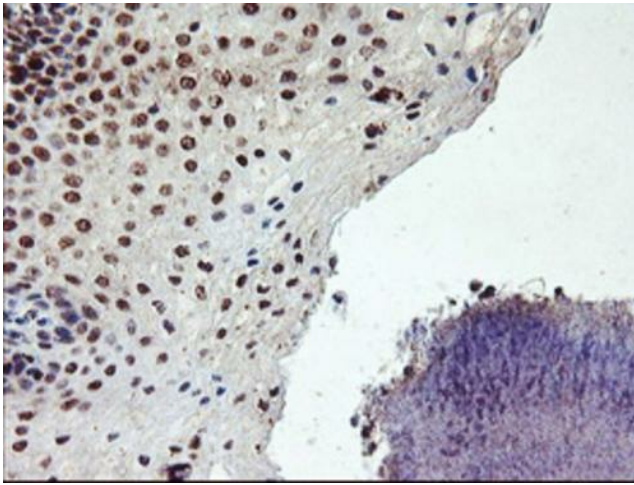


Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PPP1R15A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504310])

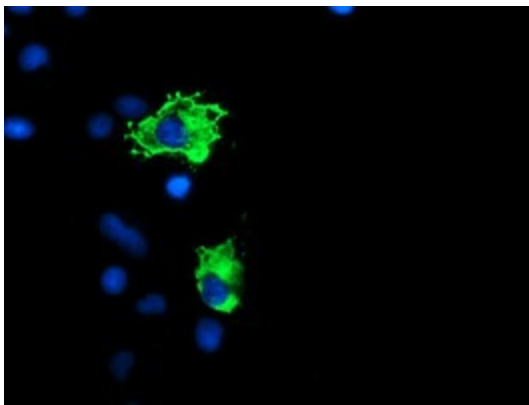


Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PPP1R15A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504310])

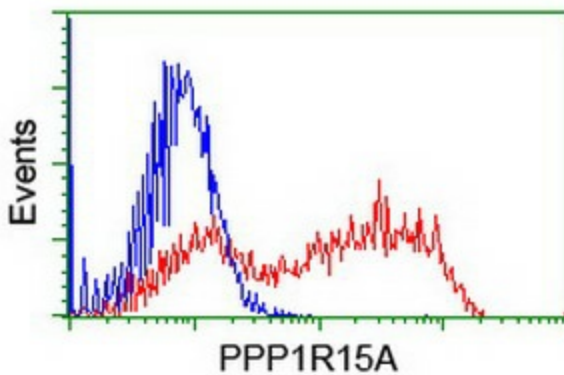




Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-PPP1R15A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504310])



Anti-PPP1R15A mouse monoclonal antibody ([TA504310]) 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 ([TA504310]), and then analyzed by flow cytometry.