ARG63153
anti-PPP1R15A / GADD34 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PPP1R15A / GADD34
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PPP1R15A / GADD34
Species	Human
Immunogen	C-AAALDLSGRRG
Conjugation	Un-conjugated
Alternate Names	Growth arrest and DNA damage-inducible protein GADD34; Protein phosphatase 1 regulatory subunit 15A; Myeloid differentiation primary response protein MyD116 homolog; GADD34

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
ICC/IF	10 µg/ml
IHC-P	2 - 4 µg/ml
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

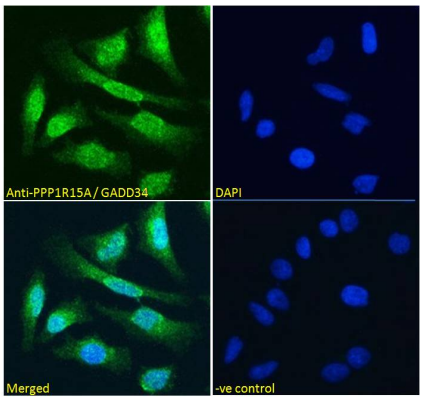
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

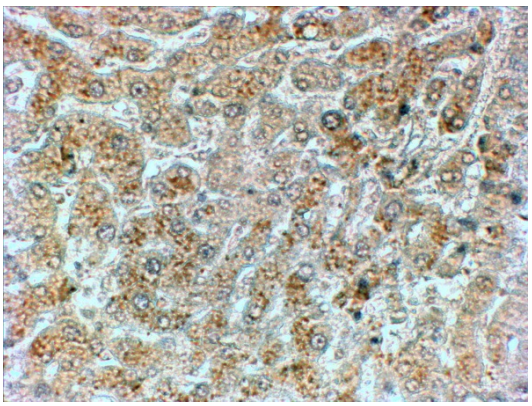
Database links	GeneID: 23645 Human Swiss-port # O75807 Human
Background	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The induction of this gene by ionizing radiation occurs in certain cell lines regardless of p53 status, and its protein response is correlated with apoptosis following ionizing radiation. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody
Calculated Mw	73 kDa
PTM	Phosphorylated at multiple Ser/Thr residues. Phosphorylated on tyrosine by LYN; which impairs its antiproliferative activity. Phosphorylation at Tyr-262 enhances proteasomal degradation, this position is dephosphorylated by PTPN2. Polyubiquitinated. Exhibits a rapid proteasomal degradation with a half-life under 1 hour, ubiquitination depends on endoplasmic reticulum association.

Images



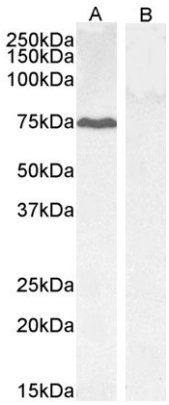
ARG63153 anti-PPP1R15A / GADD34 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63153 anti-PPP1R15A / GADD34 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



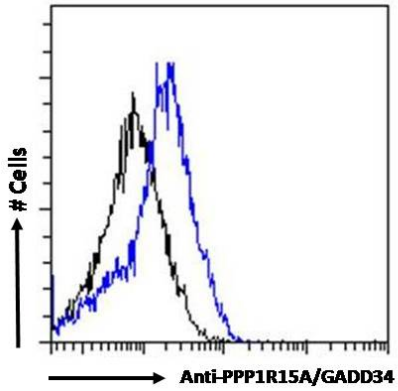
ARG63153 anti-PPP1R15A / GADD34 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63153 anti-PPP1R15A / GADD34 antibody at 2 µg/ml dilution followed by HRP-staining.



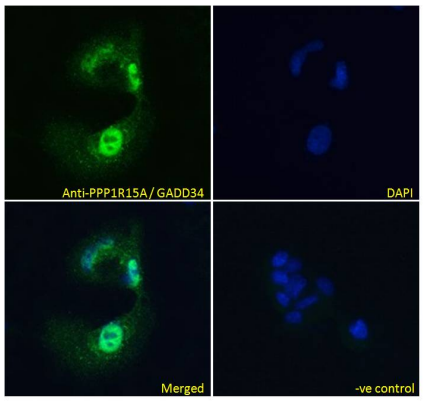
ARG63153 anti-PPP1R15A / GADD34 antibody WB image

Western blot: 35 µg of HepG2 (A) and KLY (B, negative control) cell lysates (in RIPA buffer) stained with ARG63153 anti-PPP1R15A / GADD34 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG63153 anti-PPP1R15A / GADD34 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HepG2 cells permeabilized with 0.5% Triton. Cells were stained with ARG63153 anti-PPP1R15A / GADD34 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63153 anti-PPP1R15A / GADD34 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton. Cells were stained with ARG63153 anti-PPP1R15A / GADD34 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.