



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05034 - Goat Anti-PPP1R15A / GADD34 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PPP1R15A, GADD34, protein phosphatase 1, regulatory (inhibitor) subunit 15A, growth arrest and DNA-damage-inducible 34, protein phosphatase 1, regulatory subunit 15A

**Official Symbol:** PPP1R15A

**Accession Number(s):** NP\_055145.3

**Human GeneID(s):** [23645](#)

### Immunogen

Peptide with sequence C-AAALDLSGRRG, from the C Terminus of the protein sequence according to NP\_055145.3.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 75kDa band observed in lysates of cell line HepG2 (calculated MW of 73.4kDa according to NP\_055145.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** KLY (Kelly Human neuroblastoma) cell lysate.

**IHC:** In paraffin embedded Human Liver shows cytoplasmic staining consistent with ER in the hepatocytes. Recommended concentration: 2-4µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei of HeLa and HepG2 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

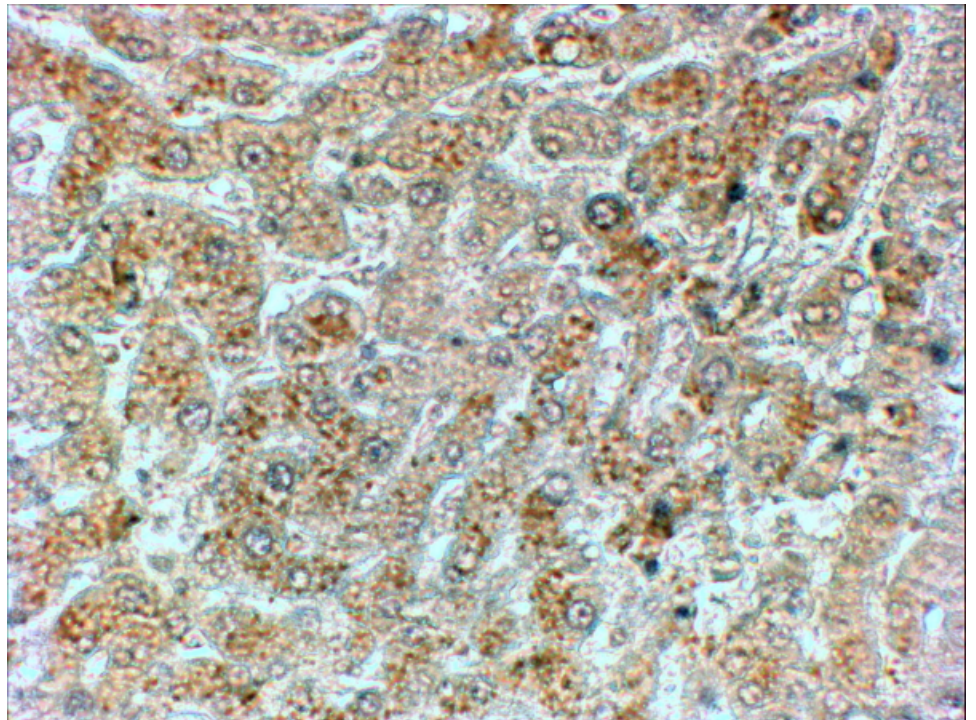
### Species Reactivity

**Tested:** Human

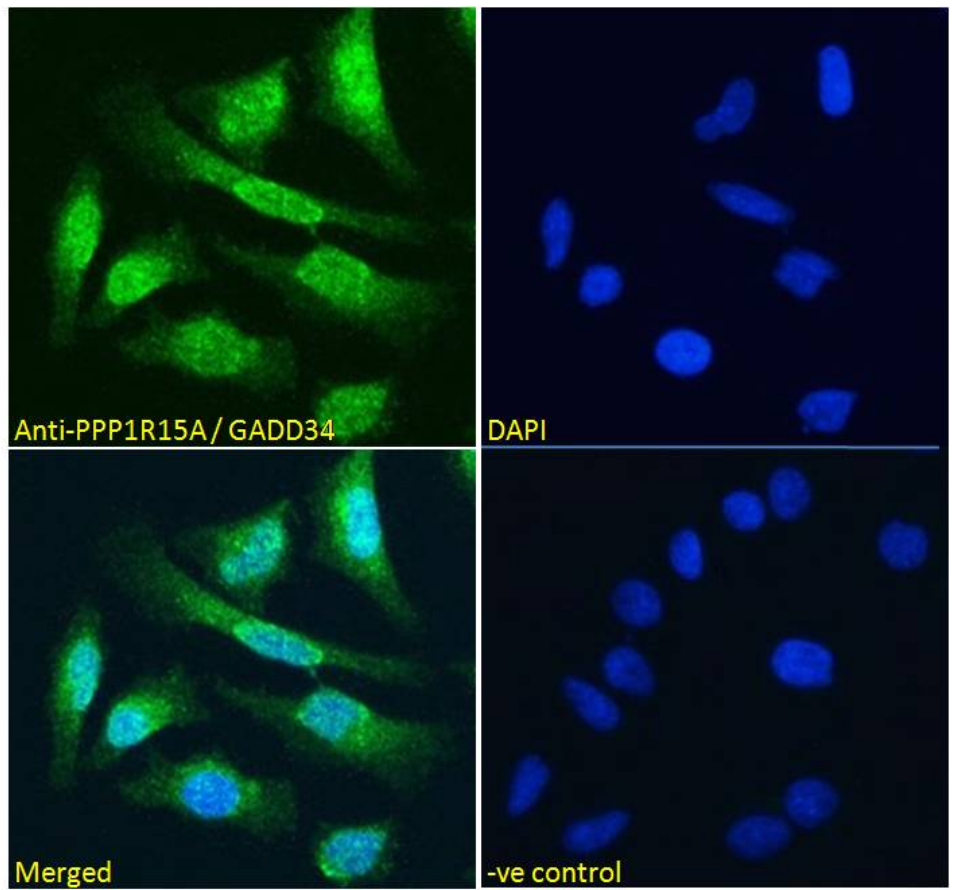
**Expected from sequence similarity:** Human



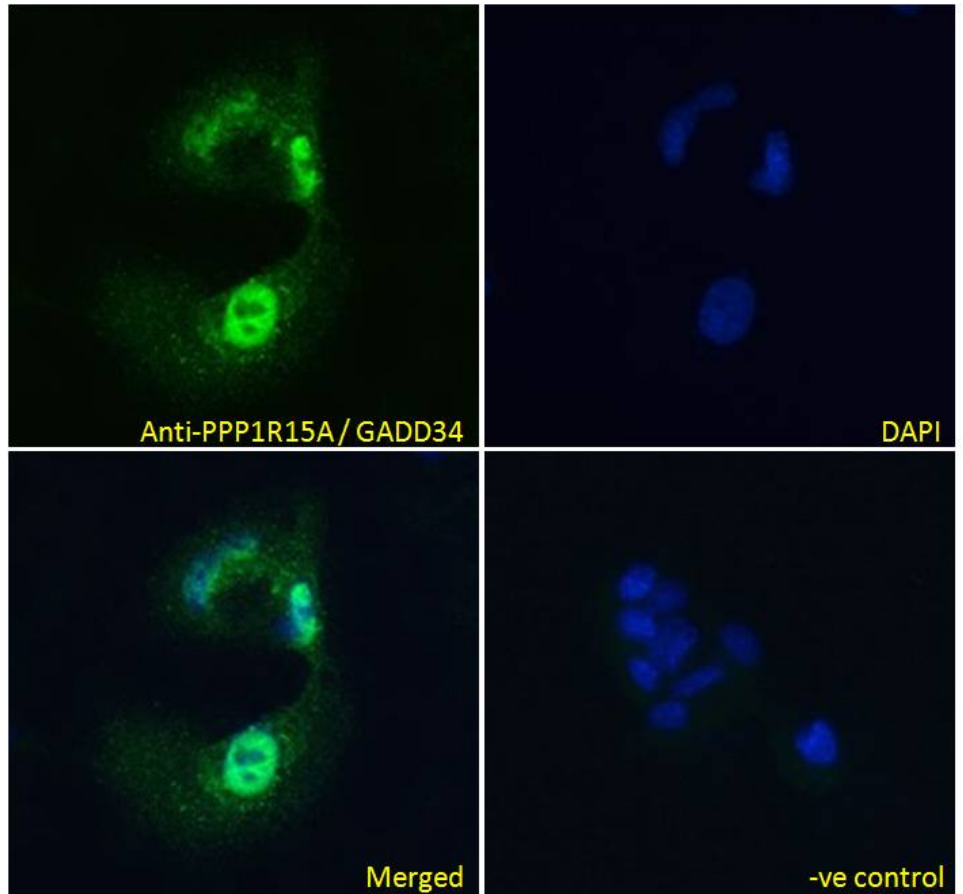
EB05034 (0.3 $\mu$ g/ml) staining of HepG2 (A) and negative control KLY (B) lysate (35 $\mu$ g protein in RIPA buffer) Detected by chemiluminescence.



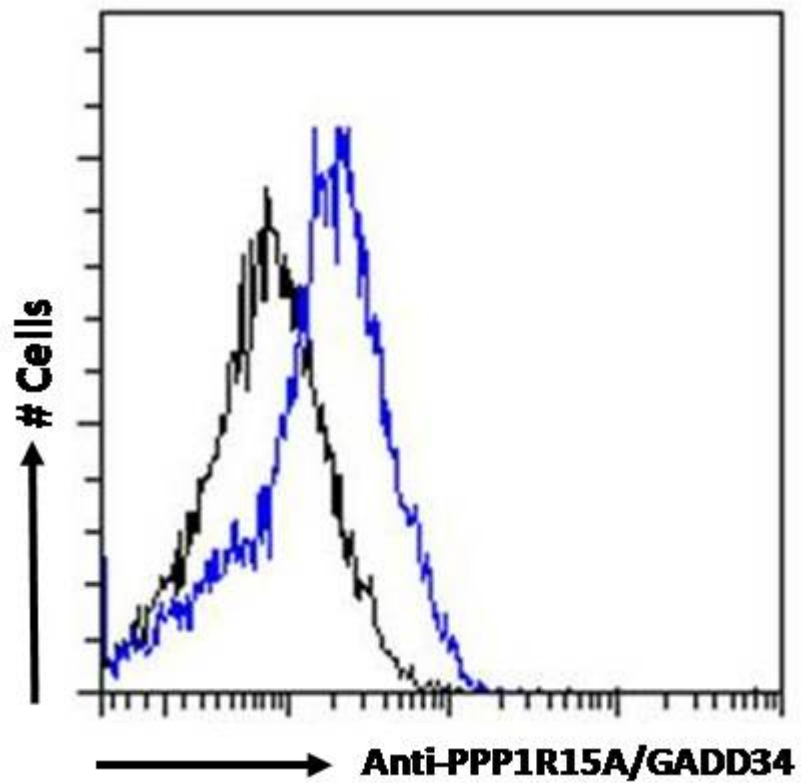
EB05034 (2 $\mu$ g/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05034 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing strong nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB05034 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing strong nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB05034 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.