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EB05034-T - Goat Anti-PPP1R15A / GADD34 Antibody - Trial

Size: 20µg specific antibody in 40µl

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

EB05034 (2µg/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.