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EB05232 - Goat Anti-PPP2R5D Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PPP2R5D, MGC2134, MGC8949, protein phosphatase 2, regulatory subunit B (B56), delta isoform, PP2A, B subunit, B\1 delta isoform, PP2A, B subunit, R5 delta isoform, PP2A, B subunit, B56 delta isoform, PP2A, B subunit, PR61 delta isoform, Serine/threonine protein phosphatase 2A, 56 kDa regulatory subunit, delta isoform, protein phosphatase 2, regulatory subunit B\1, delta isoform, B56D, delta isoform of regulatory subunit B56, protein phosphatase 2A, serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform
Official Symbol: PPP2R5D
Accession Number(s): NP_006236.1; NP_851307.1; NP_851308.1; NP_001257405.1
Human GeneID(s): 5528
Important Comments: This antibody is expected to recognise reported isoforms (NP_006236.1 (iso 1); NP_851307.1; (iso 2) NP_851308.1) (iso 3) and NP_001257405.1 (iso 4).

Immunogen

Peptide with sequence C-KRAEEFLTASQEAL, from the C Terminus of the protein sequence according to NP_006236.1; NP_851307.1; NP_851308.1; NP_001257405.1.

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

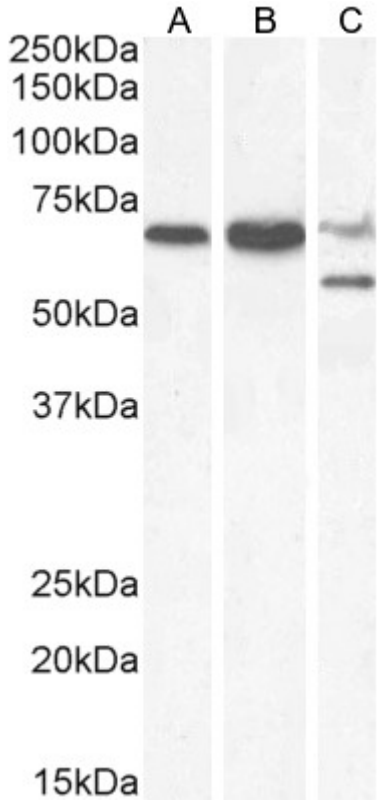
Peptide ELISA: antibody detection limit dilution 1:20000.
Western blot: Approx 70kDa band observed in lysates of cell lines A431, HepG2 and Jurkat, and in Human Cerebellum lysates, approx. 65-70kDa in lysates of cell line NIH3T3, and approx.75kDa in Rat Brain lysates, (calculated MW of 70kDa according to Human NP_006236.1, 69.0kDa according to Mouse NP_033384.2 and 77.8kDa according to Rat XP_017452220.1). Recommended concentration: 0.03-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm and nuclei of U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

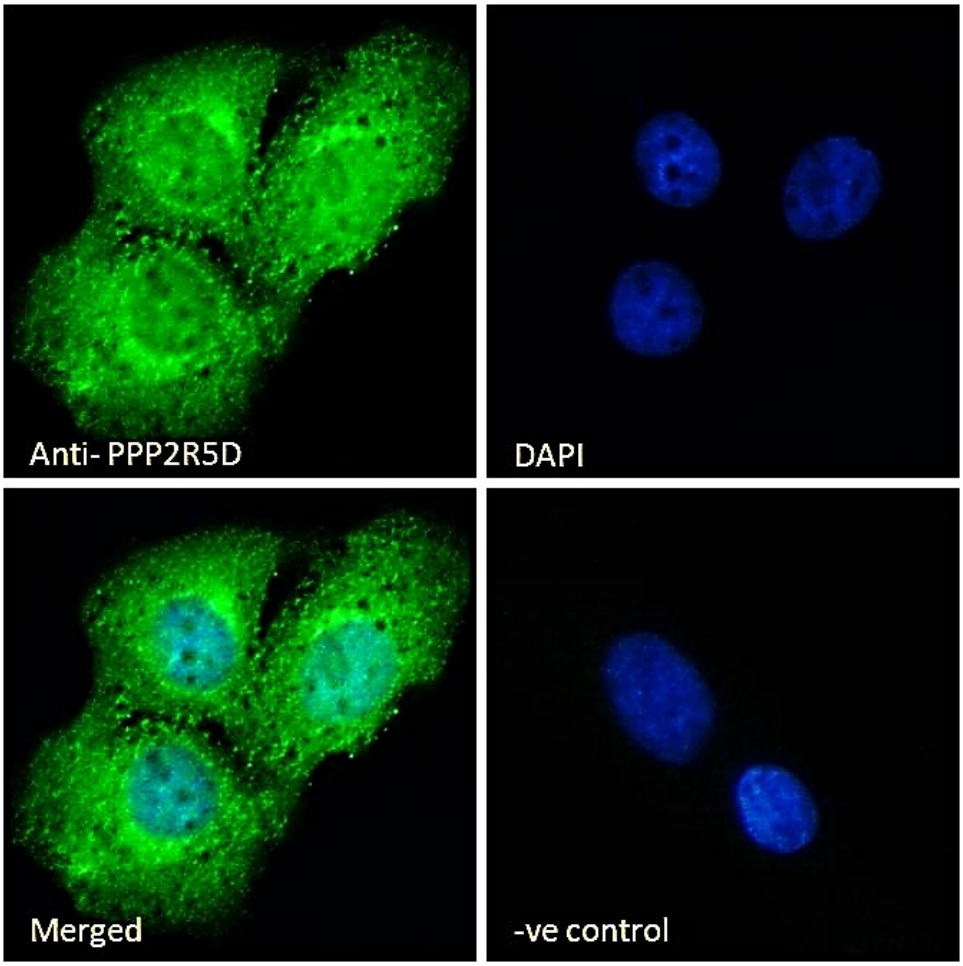
Species Reactivity

Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

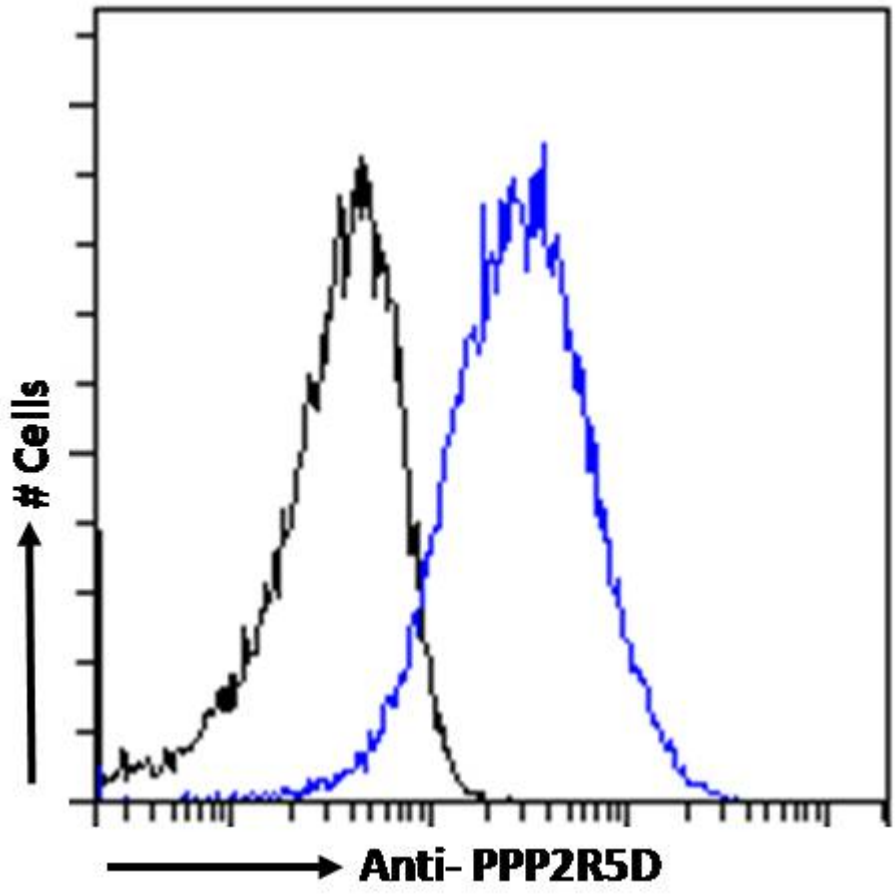


EB05232 (0.1µg/ml) staining of A431 (A), Jurkat (B) and HepG2 (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05232 (0.1µg/ml) staining of NIH3T3 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB05232 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05232 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.