



## International Office

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

## 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.

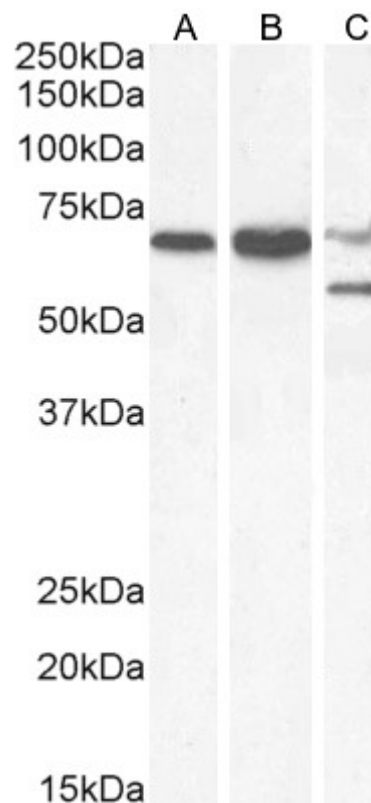
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and nuclei of U2OS cells. Recommended concentration: 10µg/ml.

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

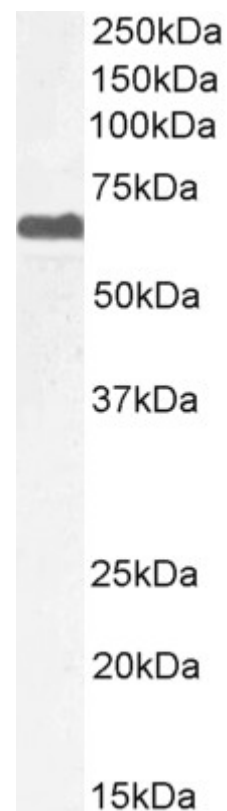
### Species Reactivity

**Tested:** Human, Mouse, Rat

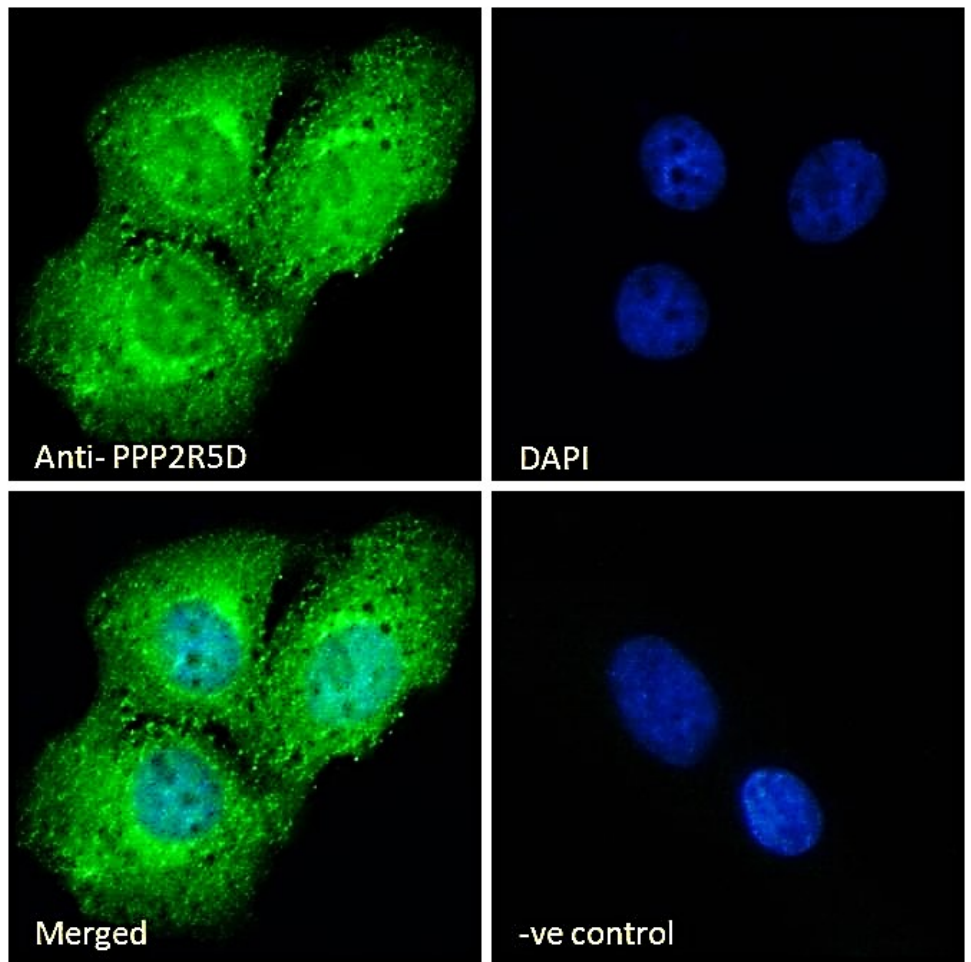
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



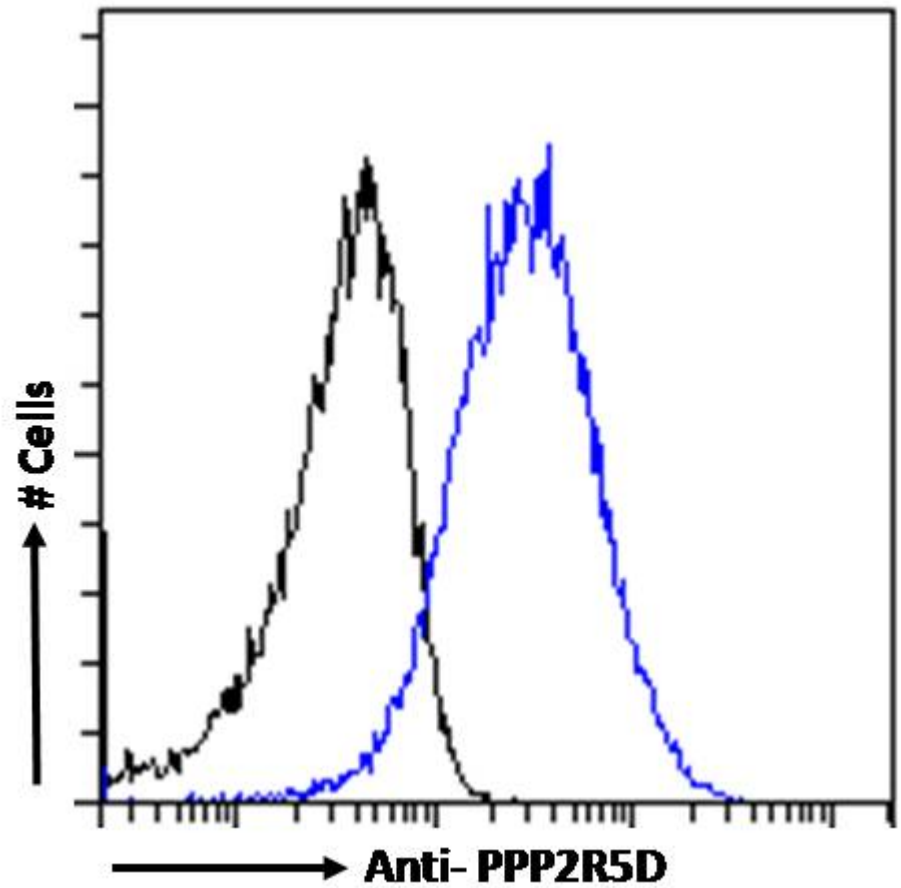
EB05232 (0.1µg/ml) staining of A431 (A), Jurkat (B) and HepG2 (C) cell lysate (35µg protein in RIPA buffer).  
Detected by chemiluminescence.



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.