

## UK Office

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

## EB05230 - Goat Anti-PPP2CA / PPP2CB Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PPP2CA, protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, PP2Ac, PP2CA, RP-C, PP2A-alpha, protein phosphatase 2, catalytic subunit, alpha isoform, replication protein C, serine/threonine protein phosphatase 2A, catalytic subunit, alpha isoform, serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform, PPP2CB, protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, PP2CB, PP2A-beta, protein phosphatase 2, catalytic subunit, beta isoform, protein phosphatase type 2A catalytic subunit, serine/threonine protein phosphatase 2A, catalytic subunit, beta isoform

**Official Symbol:** PPP2CA / PPP2CB

**Accession Number(s):** NP\_002706.1; NP\_004147.1

**Human GeneID(s):** [5515](#) , [5516](#)

**Non-Human GeneID(s):** 19052 (mouse), 24672 (rat)

**Important Comments:** Two variants NP\_001009552.1 and NP\_004147.1 represent identical protein.

### Immunogen

Peptide with sequence C-EPHVTRRTPDYFL, from the C Terminus of the protein sequence according to NP\_002706.1; NP\_004147.1.

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 1:128000.

**Western blot:** Approx 36kDa band observed in Human Cerebellum and in Mouse, Rat and Pig Brain lysates (calculated MW of 35.6kDa according to Human NP\_002706.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Kidney and Thyroid. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat, Pig

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

EB05230 (0.1µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05230 (0.03µg/ml) staining of Mouse (A), Rat (B) and Pig (C) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05230 (10µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB05230 (10µg/ml) staining of paraffin embedded Human Thyroid. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.