

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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 GenelD(s): 5515, 5516

Non-Human GenelD(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).

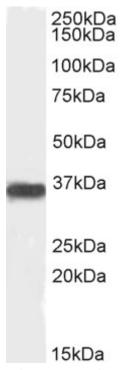
Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

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

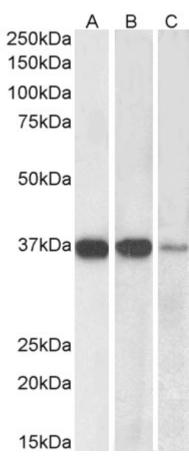
Species Reactivity

Tested: Human, Mouse, Rat, Pig

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

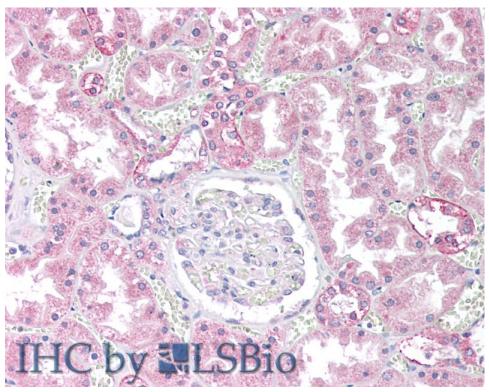


EB05230 (0.1 μ g/ml) staining of Human Cerebellum lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.

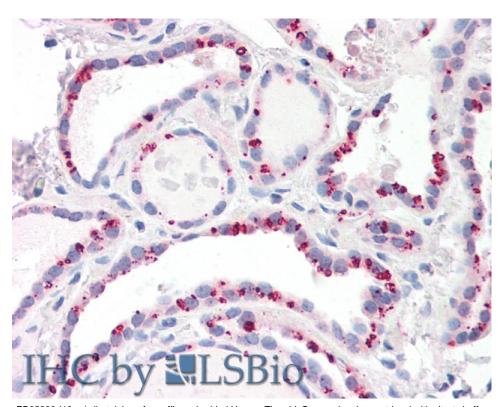


EB05230 (0.03µg/ml) staining of Mouse (A), Rat (B) and Pig (C) Brain lysate (35µg protein in RIPA buffer).

Detected by chemiluminescence.



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



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