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

EB06776 - Goat Anti-Parvalbumin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: parvalbumin, HGNC:9704, PVALB, D22S749, parvalbumin alpha, MGC116759

Official Symbol: PVALB

Accession Number(s): NP_002845.1

Human GeneID(s): [5816](#)

Important Comments: Reported variants represent identical protein: NP_002845.1, NP_001302461.1

Immunogen

Peptide with sequence C-GVDEFSTLVAES, from the C Terminus of the protein sequence according to NP_002845.1.

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 1:32000.

Western blot: Approx 14-15kDa band observed in Human (Cerebellum) Brain lysates (calculated MW of 12.1kDa according to NP_002845.1). Primary incubation 1 hour at room temperature. Recommended concentration: 0.1-0.3µg/ml. Approx 10-12kDa band also observed in Rat Skeletal Muscle and in Rat Heart cells transfected with human PVALB, but not in untransfected Rat Heart cells. Data kindly provided by Dr Wang Wang, University of Michigan.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 2.5µg/ml.

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

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Rat

EB06776 (0.3µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer).r. Detected by chemiluminescence.

EB06776 (0.15µg/ml) staining of adenovirus-mediated gene transfer in Rat Heart cells 1) Untransfected, 2) transient transfection with Human PVALB. 3) Untransfected Rat Skeletal Muscle. Detected by chemiluminescence.

EB06776 Flow cytometric analysis of paraformaldehyde fixed Kelly cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

EB06776 (2.5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.