

## Goat anti-Parvalbumin, biotinylated Antibody

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| Item Number     | dAP-3291   |
| Target Molecule | Principle Name: Parvalbumin, biotinylated; Official Symbol: PVALB; All Names and Symbols: PVALB; parvalbumin; D22S749; Accession Number (s): NP_002845.1; Human Gene ID(s): 5816; Non-Human GeneID (s):  |
| Immunogen       | GVDEFSTLVAES., is from C Terminus<br>Reported variants represent identical protein: NP_002845.1, NP_001302461.1  |
| Applications    | Pep ELISA, WB<br>Species Tested: Human, Rat  |
| Purification    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| Supplied As     | Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.   |
| Peptide ELISA   | Peptide ELISA: antibody detection limit dilution 1 to 32000.   |
| Western Blot    | Western Blot: Approx 12kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 12.1kDa according to NP_002845.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 1-3µg/ml.  |
| IHC             |  |
| Reference       | Reference(s): Hashimoto T, Bergen SE, Nguyen QL, Xu B, Monteggia LM, Pierri JN, Sun Z, Sampson AR, Lewis DA. Relationship of brain-derived neurotrophic factor and its receptor TrkB to altered inhibitory pre-frontal circuitry in schizophrenia. <i>The Journal of Neuroscience : the official journal of the Society for Neuroscience</i> 2005; 25(46):11321-11328. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**