

## Goat anti-CACNB4 (internal) Antibody

<b>Item Number</b>	dAP-0966
<b>Target Molecule</b>	Principle Name: CACNB4 (internal); Official Symbol: CACNB4; All Names and Symbols: CACNB4; calcium channel, voltage-dependent, beta 4 subunit; CAB4; CACNLB4; EA5; EJM ; dihydropyridine-sensitive L-type, calcium channel beta-4 subunit; voltage dependent calcium channel beta 4 subunit; Accession Number (s): NP_001005747.1; NP_000717.2; NP_001005746.1; Human Gene ID(s): 785; Non-Human GeneID (s): 12298 (mouse) 58942 (rat)
<b>Immunogen</b>	DYPDSYQDTYKPH, is from internal region (near the C Terminus) This antibody is expected to recognise all three reported isoforms (NP_001005747.1; NP_000717.2; NP_001005746.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Approx 55-60kDa band observed in Human Bone Marrow lysates (calculated MW of 54.7kDa according to NP_001005747.1 and 58.2kDa according to NP_000717.2). Recommended concentration: 0.2-0.6 µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Escayg A, Jones JM, Kearney JA, Hitchcock PF, Meisler MH. Calcium channel beta 4 (CACNB4): human ortholog of the mouse epilepsy gene lethargic. Genomics. 1998 May 15;50(1):14-22. PMID: 9628818 ->

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 ender users! This product is sold for **Research Use Only**