ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-CACNB4 (C terminus) Antibody

Item Number	dAP-0566
Target Molecule	Principle Name: CACNB4 (C terminus); Official Symbol: CACNB4; All Names and Symbols: CACNB4; CAB4; CACNLB4; calcium channel, voltage-dependent, beta 4 subunit; dihydropyridine-sensitive L-type, calcium channel beta-4 subunit; EA5; EIG9; EJM; EJM4; EJM6; OTTHUMP00000207247; OT-THUMP00000207249; 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)
Immunogen	CSPGGYSHDSRHRL, is from C Terminus This antibody is expected to recognise all reported protein isoforms of human CACNB4 (NP_001005747.1; NP_000717.2; NP_001005746.1;)
Applications	Pep ELISA, WB Species Tested: Human
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; Reconsititute 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx 60+55kDa bands observed in Human Bone Marrow lysates and in transfected HEK-293 transiently expressing CACNB4 (calculated MW of 58.2kDa according to NP_000717.2 and 54.7kDa according to NP_001005747.1). Recommended concentration: 0.3-
IHC	
Reference	Reference(s): Badou A, Basavappa S, Desai R, Peng YQ, Matza D, Mehal WZ, Kaczmarek LK, Boulpaep EL, Flavell RA. Requirement of voltage-gated calcium channel beta4 subunit for T lymphocyte functions. Science. 2005 Jan 7;307(5706):117-21. .PMID: 15637280 ->

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

Angio-Proteomie | 11 Park Drive, Suite 12 Boston, MA 02215, USA | Tel: 001-617-549-2665 | Fax: 001-480-247-4337 | Email: angioproteomie@gmail.com