

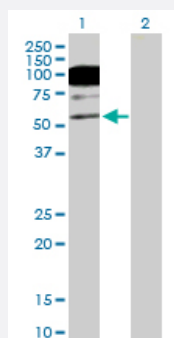
MaxPab®

CACNB1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000782-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CACNB1 expression in transfected 293T cell line ([H00000782-T01](#)) by CACNB1 MaxPab polyclonal antibody.

Lane1:CACNB1 transfected lysate(65.78 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CACNB1 protein.

Immunogen

CACNB1 (NP_000714.3, 1 a.a. ~ 598 a.a) full-length human protein.

Sequence

MVQKTSMSRGPYPSPSQEIPMEVFDPSQGGKYSKRKGRFKRSDGSTSSDTSNSFVRQGSAESY
TSRPSDSVSLIEDREALRKEAERQALAEKAKTKPVAFVRTNVGYNPSPGDEVVQGVAIT
FEPKDFLHIKEKYNNDDWWIGRLVKEGCEVGFIPSPVKLDSLRLLEQKLRQNLGSSKSGDNSSS
SLGDVVTGTRRTPPASAKQKQKSTEHVPPYDVVPSMRPIILVGPSLKGVEVTDMMQKALFDLFLK
HRFDGRISITRVTADISLAKRSVLNNPSKHIIERSNTRSSLAEVQSEIERIFELARTLQLVALDADTINH
PAQLSKTSLAPIIVYKITSPKVLQRLIKSRGKSQSKHLNVQIAASEKLAQCPPEMFDIILDENQLEDA
CEHLAEYLEAYWKATHPPSSSTPPNPLLNRTMATAALAASPAPVSNLQGPYLASGDQPLERATGE
HASMHEYPGELGQPPGLYPSHPPGRAGTLRALSRQDTFDADTPGSRNSAYTELGDSCVDMET
DPSEGPGLGDPAGGGTPPARQGSWEDEEEDYEEELTDNRNRGRNKARYCAEGGGPVLRNKN
ELEGWGRGVYIR

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CACNB1

Entrez GeneID [782](#)

GeneBank Accession# [NM_000723](#)

Protein Accession# [NP_000714.3](#)

Gene Name CACNB1

Gene Alias CAB1, CACNLB1, CCHLB1, MGC41896

Gene Description calcium channel, voltage-dependent, beta 1 subunit

Omim ID [114207](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the calcium channel beta subunit family. It plays an important role in the calcium channel by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq]

Other Designations OTTHUMP00000164286|calcium channel, L type, beta 1 polypeptide|dihydropyridine-sensitive L-type, calcium channel beta-1 subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)