# Anti-LCavB1 (Voltage-Dependent Calcium Channel Beta Subunit) Polyclonal Antibody

**Category:** Polyclonal Antibody

**Catalog #: AB3G242**

**Species Reactivity:** Great Pond Snail (Lymnaea stagnalis)

**Immunogen/Specificity:**
Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of Great Pond Snail (Lymnaea stagnalis) LCavB1 (Voltage-Dependent Calcium Channel Beta Subunit)

**Description:** LCavB1 (Voltage-Dependent Calcium Channel Beta Subunit) contains the region 1 of high conservation among beta subunits, Src homology 3 domains. SH3 domains bind to proline-rich ligands with moderate affinity and selectivity, preferentially to PxxP motifs; they play a role in the regulation of enzymes by intramolecular interactions and changing the subcellular localization. LCavB1 contains the region 2 of high conservation among beta subunits, beta subunit interaction domain (BID) as well as Dihydropyridine sensitive L-type calcium channel(Beta subunit) which is conserved region among calcium channel beta subunits and Guanylate kinase homologues, a region is similar to guanylate kinase

**Reference:**
Spafford,J.D., et al, J. Biol. Chem. 278 (6), 4258-4267 (2003)
Spafford,J.D., et al, J. Biol. Chem. 279 (39), 41157-41167 (2004)

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