



# Anti-CACNA2D2 polyclonal antibody (DPAB-DC1534)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Antigen Description</b> | auxiliary subunit of a voltage dependent calcium channel; may be involved in calcium currents in the heart [RGD, Feb 2006] |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to rat Cacna2d2.                                                   |
| <b>Isotype</b>             | IgG                                                                                                                        |
| <b>Source/Host</b>         | Rabbit                                                                                                                     |
| <b>Species Reactivity</b>  | Human, Rat                                                                                                                 |
| <b>Conjugate</b>           | Unconjugated                                                                                                               |
| <b>Applications</b>        | WB,                                                                                                                        |
| <b>Format</b>              | Liquid                                                                                                                     |
| <b>Size</b>                | 100 µg                                                                                                                     |
| <b>Buffer</b>              | In PBS (0.08% sodium azide)                                                                                                |
| <b>Preservative</b>        | 0.08% Sodium Azide                                                                                                         |
| <b>Storage</b>             | Store at -20°C. Aliquot to avoid repeated freezing and thawing.                                                            |

## GENE INFORMATION

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| <b>Gene Name</b> | <a href="#">Cacna2d2 calcium channel, voltage-dependent, alpha 2/delta subunit 2 [ Rattus norvegicus (Norway rat) ]</a> |
|------------------|-------------------------------------------------------------------------------------------------------------------------|

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| <b>Official Symbol</b>     | CACNA2D2                                                                                                                                                                                                                                             |
| <b>Synonyms</b>            | CACNA2D2; calcium channel, voltage-dependent, alpha 2/delta subunit 2; voltage-dependent calcium channel subunit alpha-2/delta-2; voltage-gated calcium channel subunit alpha-2/delta-2; calcium channel, voltage dependent, alpha2/delta subunit 2; |
| <b>Entrez Gene ID</b>      | <a href="#">300992</a>                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | <a href="#">NP_783182</a>                                                                                                                                                                                                                            |
| <b>UniProt ID</b>          | <a href="#">Q8CFG6</a>                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 8q32                                                                                                                                                                                                                                                 |
| <b>Pathway</b>             | Adrenaline,noradrenaline inhibits insulin secretion; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Dilated cardiomyopathy; Integration of energy metabolism                                                                                |
| <b>Function</b>            | calcium channel regulator activity; metal ion binding; voltage-gated calcium channel activity;                                                                                                                                                       |