



# Anti-GJA4 (aa 265-280) polyclonal antibody (DPAB-DC1226)

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

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | gap junction protein that mediates cell-cell communication; may mediate hyperexcitability following nerve injury [RGD, Feb 2006]  |
| <b>Specificity</b>         | Western blotting of cell membranes of COS cells transiently transfected with cDNA encoding Connexin-37 shows two bands of molecular weight 36 and 37 KDa which are abolished by preincubation with the immunising peptide. No such bands are detected in wester |
| <b>Immunogen</b>           | A synthetic peptide (conjugated diphtheria toxoid) corresponding to amino acids 265-280 of rat Gja4. The sequence is YLPMGEGPSSPPCPTY   |
| <b>Source/Host</b>         | Sheep   |
| <b>Species Reactivity</b>  | Mouse, Rat  |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB, IF,   |
| <b>Format</b>              | Lyophilized   |
| <b>Size</b>                | 100 µl  |
| <b>Buffer</b>              | Lyophilized from PBS  |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">Gja4 gap junction protein, alpha 4 [ Rattus norvegicus (Norway rat) ]</a>   |
| <b>Official Symbol</b>     | GJA4  |
| <b>Synonyms</b>            | GJA4; gap junction protein, alpha 4; CXN37; gap junction alpha-4 protein; cx37; connexin-37; gap junction membrane channel protein alpha 4; Gap junction membrane channel, protein alpha 4 (connexin 37); |
| <b>Entrez Gene ID</b>      | <a href="#">25655</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_067686</a>   |
| <b>UniProt ID</b>          | <a href="#">Q03190</a>  |
| <b>Chromosome Location</b> | 5q36  |
| <b>Pathway</b>             | Calcium Regulation in the Cardiac Cell;   |