



## Anti-GJA5 (aa 253-269) polyclonal antibody (DPAB-DC2080)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	forms intercellular connexin channels in gap junctions; mediates cell-cell communication [RGD, Feb 2006]
<b>Specificity</b>	Western blotting of cell membranes of COS cells transiently transfected with cDNA encoding Connexin-40 shows two bands of molecular weight 38 and 40 KDa which are abolished by preincubation with the immunising peptide. No such bands are detected in western
<b>Immunogen</b>	A synthetic peptide (conjugated diphtheria toxoid) corresponding to amino acids 253-269 of rat Gja5. The sequence is SLVQGLTPPPDFNQCLK
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	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

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<b>Gene Name</b>	<a href="#">Gja5 gap junction protein, alpha 5 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	GJA5
<b>Synonyms</b>	GJA5; gap junction protein, alpha 5; Cx40; gap junction alpha-5 protein; connexin 40; connexin-40; gap junction membrane channel protein alpha 5;
<b>Entrez Gene ID</b>	<a href="#">50563</a>
<b>Protein Refseq</b>	<a href="#">NP_062153</a>
<b>UniProt ID</b>	<a href="#">P28234</a>
<b>Chromosome Location</b>	2q34
<b>Pathway</b>	Calcium Regulation in the Cardiac Cell;
<b>Function</b>	connexin binding; gap junction channel activity; gap junction channel activity involved in AV node cell-bundle of His cell electrical coupling; gap junction channel activity involved in cardiac conduction electrical coupling

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