



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

Antigen Description	forms intercellular connexin channels in gap junctions; mediates cell-cell communication [RGD, Feb 2006]
Specificity	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 wester
Immunogen	A synthetic peptide (conjugated diphtheria toxoid) corresponding to amino acids 253-269 of rat Gja5. The sequence is SLVQGLTPPPDFNQCLK
Source/Host	Sheep
Species Reactivity	Rat
Conjugate	Unconjugated
Applications	WB, IF,
Format	Lyophilized
Size	100 µl
Buffer	Lyophilized from PBS
Preservative	None
Storage	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

Gene Name	Gja5 gap junction protein, alpha 5 [Rattus norvegicus (Norway rat)]
Official Symbol	GJA5
Synonyms	GJA5; gap junction protein, alpha 5; Cx40; gap junction alpha-5 protein; connexin 40; connexin-40; gap junction membrane channel protein alpha 5;
Entrez Gene ID	50563
Protein Refseq	NP_062153
UniProt ID	P28234
Chromosome Location	2q34
Pathway	Calcium Regulation in the Cardiac Cell;
Function	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