



# Anti-GJA1 polyclonal antibody (DPABH-27437)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. May play a critical role in the physiology of hearing by participating in the recycling of potassium to the cochlear endolymph.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 300 to the C-terminus of Mouse Connexin 43/ GJA1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Chicken
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, IHC-Fr, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GJA1 gap junction protein, alpha 2 [ Mus musculus ]</a>
<b>Official Symbol</b>	GJA1
<b>Synonyms</b>	GJA1; gap junction protein, alpha 1; Cx43; Npm1; Cnx43; Gja-1; AU042049; AW546267; Cx43alpha1; connexin43; gap junction alpha-1 protein; connexin 43; connexin-43; alpha 1 connexin; gap junction 43 kDa heart protein; gap junction membrane channel protein alpha 1;
<b>Entrez Gene ID</b>	<a href="#">14609</a>
<b>Protein Refseq</b>	<a href="#">NP_034418.1</a>
<b>UniProt ID</b>	<a href="#">P23242</a>
<b>Pathway</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC); Calcium Regulation in the Cardiac Cell; Formation of annular gap junctions; Gap junction
<b>Function</b>	PDZ domain binding; SH3 domain binding; beta-tubulin binding; connexin binding