

Rabbit GJA5 Polyclonal Antibody | anti-GJA5 antibody

Polyclonal Anti-GJA5 Antibody

CATALOG # AAA45022	HOST Rabbit	REACTIVITY Reacts with: Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GJA5; Polyclonal Antibody; Polyclonal Anti-GJA5 Antibody; Gap junction alpha-5 protein; gap junction protein; alpha 5; 40kDa; Connexin 40 antibody; Connexin-40 antibody; Cx40 antibody; CXA5_HUMAN antibody; Gap junction alpha 5 protein antibody; Gap junction alpha-5 protein antibody; Gap junction protein alpha 5 40kD(connexin 40) antibody; Gap junction protein alpha 5 antibody; GJA5 antibody; MGC11185 antibody; anti-GJA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Liquid; PBS, 0.02% NaN ₃ , 0.5 mg BSA and 50% Glycerol
Concentration	0.5 mg/mL (varies by lot)
Sequence Length	358
Applicable Applications for anti-GJA5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GJA5 (341-358aa KRRLSKASSKARSDDLVS), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG (Please inquire) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (please inquire) for IHC(P).
Preparation and Storage	Store at -20°C for one year and at 4°C for one month from date of receipt. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-Connexin 40/GJA5 antibody, AAA45022, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



WB (Western Blot)

Anti-Connexin 40/GJA5 antibody, AAA45022, Western blottingLane 1: Mouse Heart Tissue LysateLane 2: Mouse Heart Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GJA5 antibody	Background: Connexin proteins oligomerize to form intercellular channels, called gap junctions, through which ions and small molecules move between adjacent cells. Connexin 40(Gap junction alpha-5 protein) is a protein that in humans is encoded by the GJA5 gene.This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variants encoding the same isoform have been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8928556
NCBI GeneID	2702
UniProt Accession #	P36382; Q5T3B6; Q5U0N6
NCBI Official Full Name	Gap junction alpha-5 protein
NCBI Official Synonym Full Names	gap junction protein, alpha 5, 40kDa
NCBI Official Symbol	GJA5
NCBI Official Synonym Symbols	CX40; ATFB11
NCBI Protein Information	gap junction alpha-5 protein; connexin 40; gap junction protein alpha 5 40kDa
UniProt Protein Name	Gap junction alpha-5 protein
UniProt Gene Name	GJA5
UniProt Synonym Gene Names	Cx40
UniProt Entry Name	CXA5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.