

Rabbit Connexin 43/GJA1 Polyclonal Antibody | anti-GJA1 antibody

Anti-Connexin 43/GJA1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45186	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

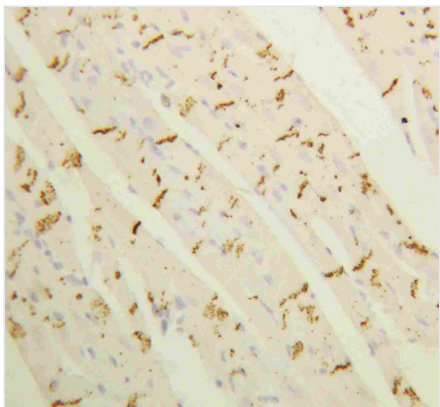
PRODUCT SYNONYMS

Connexin 43/GJA1; Polyclonal Antibody; Anti-Connexin 43/GJA1 antibody; Gap junction alpha-1 protein; gap junction protein; alpha 1; 43kDa; Connexin 43 antibody; Connexin-43 antibody; Connexin43 antibody; Cx 43 antibody; CX43 antibody; CXA1_HUMAN antibody; DFNB38 antibody; Gap junction 43 kDa heart protein antibody; Gap junction alpha 1 protein antibody; Gap junction alpha-1 protein antibody; Gap junction protein alpha 1 43kD antibody; Gap junction protein alpha 1 43kDa(connexin 43) antibody; Gap junction protein alpha 1 43kDa antibody; Gap junction protein alpha like antibody; GJA 1 antibody; Gja1 antibody; GJAL antibody; HGNC:4282 antibody; HGNC:8112 antibody; Oculodentodigital dysplasia antibody; ODD antibody; ODDD antibody; ODOD antibody; SDTY 3 antibody; SDTY3 antibody; Syndactyly type III antibody; anti-GJA1 antibody

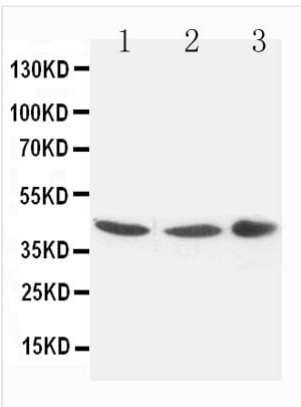
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; ach vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Sequence Length	382
Applicable Applications for anti-GJA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Connexin 43 (366-382aa RASSRASSRPRPDDLEI), identical to the related rat and mouse sequences.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	Tha lab recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG () for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Preparation and Storage	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months . Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-Connexin 43/GJA1 antibody, AAA45186, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



WB (Western Blot)
Anti-Connexin 43/GJA1 antibody, AAA45186, Western blottingLane 1: Rat Cardiac Muscle Tissue LysateLane 2: Rat Cardiac Muscle Tissue LysateLane 3: Rat Brain Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 antibody	Background: Connexins 43(Cx43), also called GAP Junction Protein, alpha-1(GJA1). Connexin 43 is a member of the connexin gene family which abundantly expressed in the heart and liver and was mapped to 6q21-q23.2. Connexin43, the major protein of gap junctions in the heart, is targeted by several protein kinases that regulate myocardial cell-cell coupling. Mutations in the connexin43 gap-junction gene, which lead to abnormally regulated cell-cell communication, are associated with viscerotaxia. Cx43 must also play a critical role in the physiology of hearing, presumably by participating in the recycling of potassium to the cochlear endolymph.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117706
NCBI GeneID	2697
UniProt Accession #	P17302; Q6FHU1; Q9Y5I8; B2R5U9
NCBI Official Full Name	Gap junction alpha-1 protein
NCBI Official Synonym Full Names	gap junction protein, alpha 1, 43kDa
NCBI Official Symbol	GJA1
NCBI Official Synonym Symbols	HSS; CMDR; CX43; GJAL; ODDD; AVSD3; HLHS1
NCBI Protein Information	gap junction alpha-1 protein; connexin 43; connexin-43; gap junction 43 kDa heart protein
UniProt Protein Name	Gap junction alpha-1 protein
UniProt Gene Name	GJA1
UniProt Synonym Gene Names	GJAL; Cx43
UniProt Entry Name	CXA1_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.