

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

Anti-Connexin 43/GJA1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45499	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

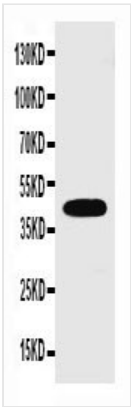
PRODUCT SYNONYMS

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

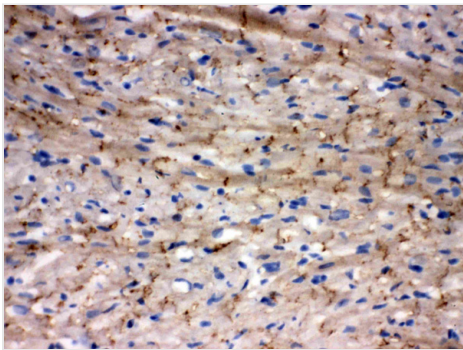
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	382
Applicable Applications for anti-GJA1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Connexin 43 (351-367aa HELQPLAIVDQRPSSRA), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



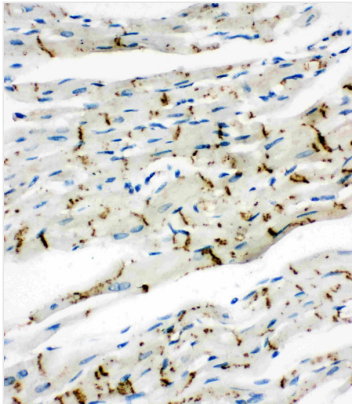
WB (Western Blot)

Anti-Connexin 43/GJA1 antibody, AAA45499, Western blottingWB: Rat Heart Tissue Lysate



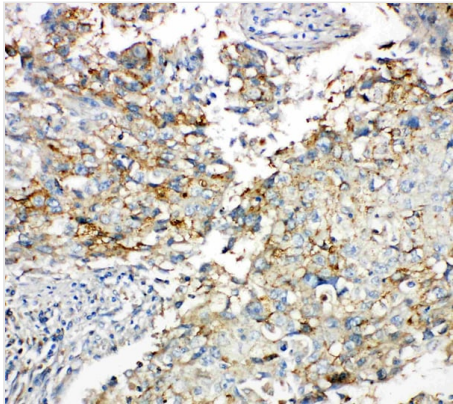
IHC (Immunohistochemisry)

Anti-Connexin 43/GJA1 antibody, AAA45499, IHC(F)IHC(F): Rat Cardiac Muscle Tissue



IHC (Immunohiostchemistry)

Anti-Connexin 43/GJA1 antibody, AAA45499, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



IHC (Immunohistochemistry)

Anti-Connexin 43/GJA1 antibody, AAA45499, IHC(P)IHC(P): Human Lung Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 antibody

Description: Rabbit IgG polyclonal antibody for Gap junction alpha-1 protein(GJA1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

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 viscerotatrial heterotaxia. Cx43 must also play a critical role in the physiology of hearing, presumably by participating in the recycling of potassium to the cochlear endolymph.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117706
NCBI GeneID	2697
UniProt Accession #	P17302; Q6FHU1; Q9Y5I8; B2R5U9
Molecular Weight	43,008 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/connexin-43-gja1-antibody-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45499>