

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

Recombinant Anti-Connexin 43/GJA1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254160	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

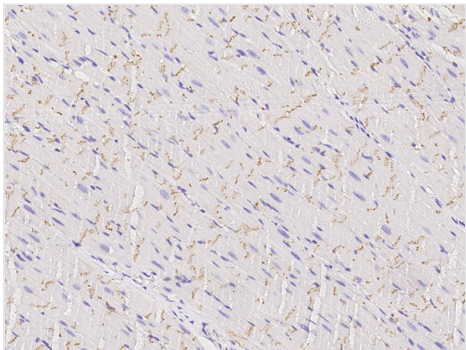
PRODUCT SYNONYMS

Connexin 43/GJA1; Monoclonal Antibody; Recombinant Anti-Connexin 43/GJA1 Antibody; Rabbit Monoclonal; GJA1 Antibody; Rabbit MAb; gap junction protein; alpha 1; 43kDa; Anti-AVSD3 Antibody; Anti-CMDR Antibody; Anti-CX43 Antibody; Anti-EKVP Antibody; Anti-EKVP3 Antibody; Anti-GJAL Antibody; Anti-HLHS1 Antibody; Anti-HSS Antibody; Anti-ODDD Antibody; Anti-PPKA Antibody; anti-GJA1 antibody

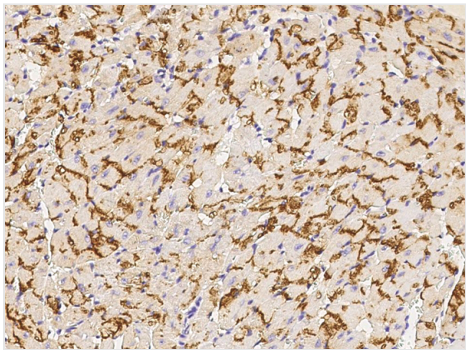
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	105
Specificity	Human Connexin 43/GJA1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GJA1 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	A synthetic peptide corresponding to the center region of the Human GJA1
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the center region of the Human GJA1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human GJA1 in cynomolgus heart with rabbit monoclonal antibody (1:300, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human GJA1 in mouse heart with rabbit monoclonal antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 antibody	GJA1 encodes connexin 43 (Cx43), the most widely expressed gap junction protein. The de novo missense mutations in GJA1 (gap junction protein alpha 1) cause EKVP. Erythrokeratoderma variabilis et progressiva (EKVP) is a rare, inherited skin disease that is characterized by transient figurate patches of erythema, localized or generalized scaling, and frequent palmoplantar keratoderma. GJA1 and SERPINE2 represent potential gene markers associated with oocyte maturation. In the GJA1 gene which encodes gap junction channel protein connexin 43.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504001
NCBI GeneID	2697
NCBI Accession #	NP_000156.1
NCBI GenBank Nucleotide #	NM_000165.3
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; CX43; GJAL; ODDD; AVSD3; HLHS1; DFNB38
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.