

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

Anti-Connexin 43/GJA1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254296	Rabbit	Human, Cynomolgus	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

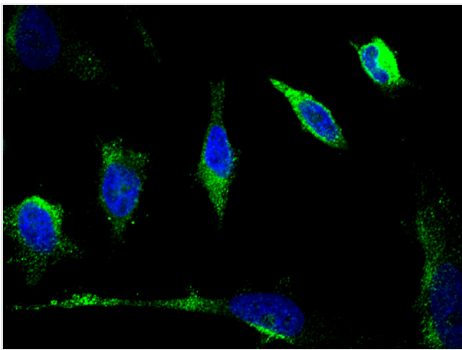
PRODUCT SYNONYMS

Connexin 43/GJA1; Polyclonal Antibody; Anti-Connexin 43/GJA1 Antibody; Rabbit Polyclonal; GJA1 Antibody; Rabbit PAb; Antigen Affinity Purified; 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-PPKCA Antibody; anti-GJA1 antibody

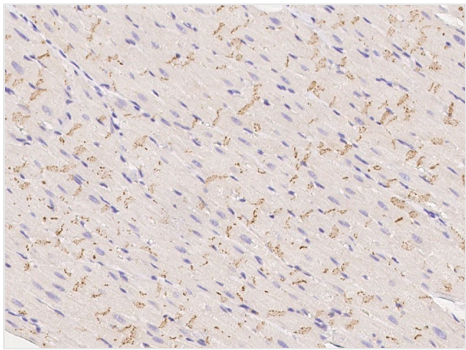
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Cynomolgus
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Connexin 43/GJA1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GJA1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human GJA1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human GJA1, and purified by antigen 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.

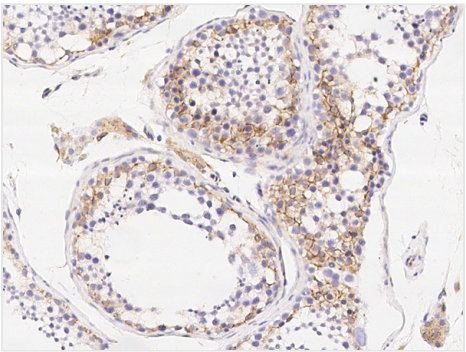
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of GJA1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human GJA1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



IHC (Immunohistochemistry)
Immunochemical staining GJA1 in cynomolgus heart with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining GJA1 in human testis with rabbit polyclonal antibody (1:1000, 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/connexin-43-gja1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254296>