

Rabbit GJA1 / CX43 / Connexin 43 Polyclonal Antibody | anti-GJA1 antibody

Rabbit Polyclonal to Human GJA1 / CX43 / Connexin 43

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50684	Rabbit	Gibbon, Bovine, Dog, Guinea pig, Gorilla, Hamster, Human, Monkey, Mouse, Pig, Rabbit, RatPredicted Reactivity: Bat, Horse, Chicken, Xenopus (at least 90% immunogen sequence identity)	Immunohistochemistry

PRODUCT SYNONYMS

GJA1 / CX43 / Connexin 43; Polyclonal Antibody; Rabbit Polyclonal to Human GJA1 / CX43 / Connexin 43; Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) IHC-plus; GJA1; Connexin-43; DFNB38; Connexin 43; Gap junction alpha-1 protein; GJAL; HSS; Gap junction protein alpha 1; ODDD; ODD; AVSD3; CX43; HLHS1; ODOO; SDTY3; Human GJA1; anti-GJA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Bovine, Dog, Guinea pig, Gorilla, Hamster, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Bat, Horse, Chicken, Xenopus (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GJA1 / Connexin 43. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	0.2 mg/ml (varies by lot)
Sequence Length	382
Applicable Applications for anti-GJA1 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from C-terminus of human GJA1 / Connexin 43.
Immunogen Type	Synthetic peptide
Immunogen	GJA1 / CX43 / Connexin 43 antibody was raised against synthetic 16 amino acid peptide from C-terminus of human GJA1 / Connexin 43. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Rabbit, Pig, Opossum, Guinea pig (100%); Bat, Horse, Chicken, Lizard, Xenopus (94%); Trout, Salmon (88%); Zebrafish, Sea anemone, Nematode (81%).
Antigen Modification	C-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-GJA1 / Connexin 43 antibody IHC of human testis, seminiferous tubules and Leydig cells.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 antibody	Gap junction protein, alpha 1 is a member of the connexin gene family and a component of gap junctions. Gap junctions are composed of arrays of intercellular channels and provide a route for the diffusion of materials of low molecular weight from cell to cell. Connexin 43 is the major protein of gap junctions in the heart, and gap junctions are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development.
Product Categories/Family for anti-GJA1 antibody	Family: Ion Channel; Subfamily: Connexin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504001
NCBI GeneID	2697
NCBI Accession #	NP_000156.1
NCBI GenBank Nucleotide #	NM_000165.4
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/gja1-cx43-connexin-43-antibody-immunohistochemistry-elisa/50684>