

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

Anti-GJA1/CX43/Connexin 43 Antibody (C-Terminus)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162374	Rabbit	Human Predicted: Chicken, Bovine, Rabbit, Mouse, Dog, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

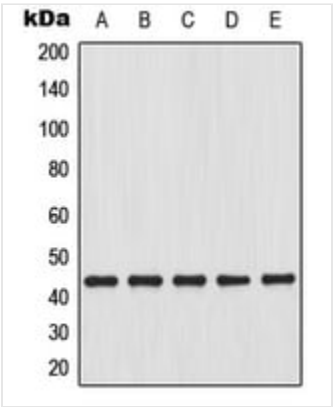
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

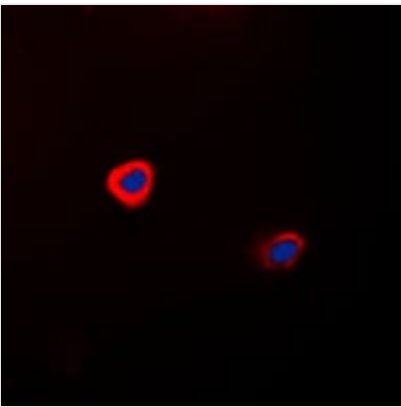
Host	Rabbit
Reactivity	Human Predicted: Chicken, Bovine, Rabbit, Mouse, Dog, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Connexin 43 protein.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol.
Sequence Length	382
Applicable Applications for anti-GJA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human Connexin 43.
Conjugation	Unconjugated
Epitope	C-Terminus
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

IMAGES



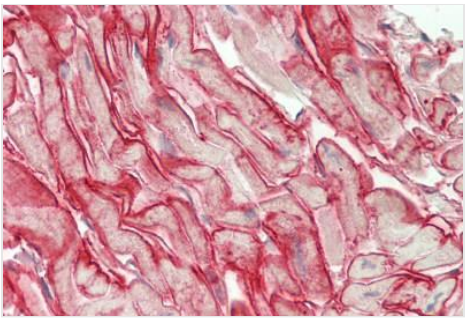
WB (Western Blot)

Western blot analysis of Connexin 43 expression in C6 (A); HeLa (B); C2C12 (C); mouse heart (D); rat brain (E) whole cell lysates.



IF (Immunofluorescence)

Immunofluorescent analysis of Connexin 43 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 antibody	Gap junction protein that acts as a regulator of bladder capacity. Agap junction consists of a cluster of closely packed pairs oftransmembrane channels, the connexons, through which materials of low MWdiffuse from one cell to a neighboring cell. May play a critical role in the physiology of hearing by participating in the recycling ofpotassium to the cochlear endolymph.
Product Categories/Family for anti-GJA1 antibody	Ion Channel ; 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

NCBI Official Symbol	GJA1
NCBI Official Synonym Symbols	HSS; CMDR; CX43; EKVP; GJAL; ODDD; AVSD3; EKVP3; HLHS1; PPKCA
NCBI Protein Information	gap junction alpha-1 protein
UniProt Protein Name	Gap junction alpha-1 protein
UniProt Gene Name	GJA1
UniProt Synonym Gene Names	GJAL; Cx43

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gja1-cx43-connexin-43-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/162374>