

Rabbit GJA1 Polyclonal Antibody | anti-GJA1 antibody

GJA1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198094	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

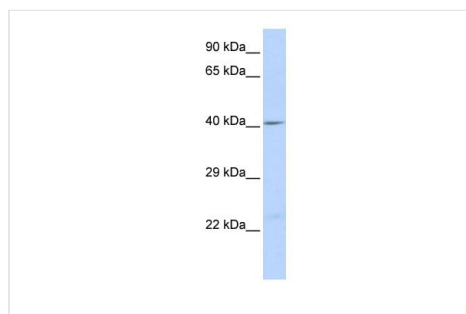
PRODUCT SYNONYMS

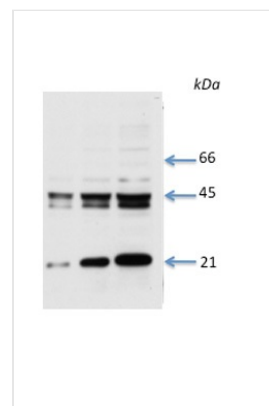
GJA1; Polyclonal Antibody; GJA1 antibody - middle region; anti-GJA1 antibody

PRODUCT SPECIFICATIONS

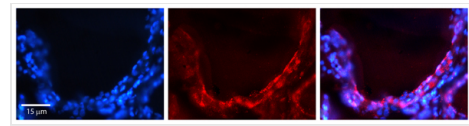
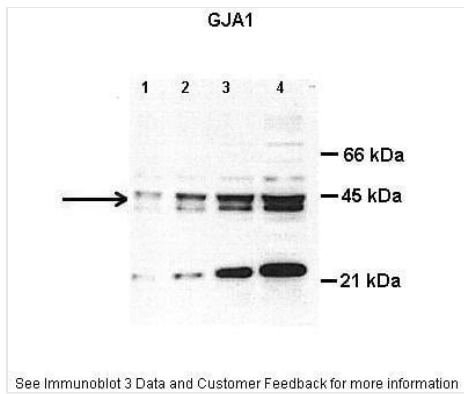
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: GS TISNSHAQPF DFPDDNQNSK KLAAGHELQP LAIVDQRPSS RASSRASS
Sequence Length	382
Applicable Applications for anti-GJA1 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GJA1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-GJA1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Liver

WB (Western Blot)

Species+tissue/cell type: Total rat cardiac lysate
1: 8 ug total cardiac lysate
2: 15 ug total cardiac lysate
3: 30 ug total cardiac lysate
4: 50 ug total cardiac lysate
Primary antibody dilution: 1 ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-GJA1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Thyroid Gland
Tissue Observed Staining: Plasma membrane
Primary Antibody Concentration: 1:100
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

WB (Western Blot)

Lanes: Lane1: 8 ug total cardiac lysate
Lane2: 15 ug total cardiac lysate
Lane3: 30 ug total cardiac lysate
Lane4: 50 ug total cardiac lysate
Primary Antibody Dilution: 1 ug/ml
Secondary Antibody Dilution: 1:200
Gene Name: GJA1
Submitted by: Anonymous

ADDITIONAL INFORMATION

Related Product Information for anti-GJA1 antibody

This is a rabbit polyclonal antibody against GJA1. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: 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. Connexin 43 is targeted by several protein kinases that regulate myocardial cell-cell coupling. A related intron-less connexin 43 pseudogene, GJA1P, has been mapped to chromosome 5. This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia and heart malformations. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Product Categories/Family for anti-GJA1 antibody

[Polyclonal](#); [Lymphocyte Signaling](#); [Membrane Protein](#); [Cardiovascular](#); [Developmental Biology](#); [Neuroscience](#); [Signal Transduction](#); [Disease Related](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504001
NCBI GeneID	2697
NCBI Accession #	NP_000156
NCBI GenBank Nucleotide #	NM_000165
UniProt Accession #	P17302
Molecular Weight	43kDa
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
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-antibody-western-blot-elisa/198094>