

GJA1 rabbit monoclonal antibody

Catalog # H00002697-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GJA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GJA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GJA1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GJA1

Entrez GeneID	2697
GeneBank Accession#	GJA1
Gene Name	GJA1
Gene Alias	CX43, DFNB38, GJAL, ODDD
Gene Description	gap junction protein, alpha 1, 43kDa
Omim ID	121014 164200 186100 241550 600309
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000017111 connexin 43 gap junction 43 kDa heart protein gap junction protein, alpha-like

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Gap junction](#)

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Presbycusis](#)
- [Schizophrenia](#)
- [Seizures](#)