GJB1 rabbit monoclonal antibody

Catalog # H00002705-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GJB1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GJB1 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 GJB1 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 — GJB1

Entrez GeneID	2705
GeneBank Accession#	GJB1
Gene Name	GJB1
Gene Alias	CMTX, CMTX1, CX32
Gene Description	gap junction protein, beta 1, 32kDa
Omim ID	302800 304040
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000023502|OTTHUMP00000023503|OTTHUMP00000023504|connexin 32

Disease

- Charcot-Marie-Tooth Disease
- Deafness
- Genetic Diseases
- Genetic Predisposition to Disease
- Hearing Loss
- Ovarian Neoplasms