

Datasheet for ABIN3023088

anti-Connexin 43/GJA1 antibody (AA 233-382)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	AA 233-382
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 233-382 of human GJA1 (NP_000156.1).
Sequence:	FKGVKDRVKG KSDPYHATSG ALSPAKDCGS QKYAYFNGCS SPTAPLSPMS PPGYKLVTGD RNNSSCRNYN KQASEQNWAN YSAEQNRMGQ AGSTISNSHA QPFDFPDDNQ NSKKLAAGHE LQPLAIVDQR PSSRASSRAS SRPRPDDLEI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Connexin 43/GJA1 (GJA1)
Alternative Name:	GJA1 (GJA1 Products)
Background:	<p>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, autosomal recessive craniometaphyseal dysplasia and heart malformations.,GJA1,AVSD3,CMDR,CX43,EKVP,GJAL,HLHS1,HSS,ODDD,PPKCA,EKVP3,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Gap Junctions,Cytoskeleton,Immunology & Inflammation,Cardiovascular,Heart,Cardiac arrhythmias,GJA1</p>
Molecular Weight:	43 kDa
Gene ID:	2697
UniProt:	P17302
Pathways:	MAPK Signaling , Myometrial Relaxation and Contraction , Cell-Cell Junction Organization

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

Handling

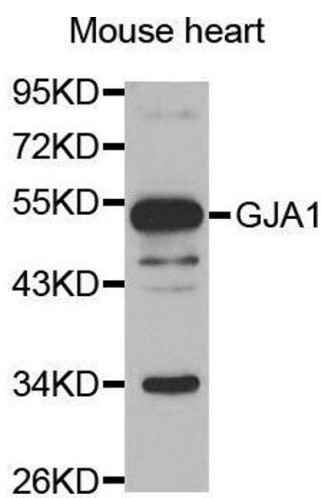
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in: Zheng, Zhou, Zhang, Thu, Xie, Lu, Pang, Xue, Xu, Chen, Chen, Li, Xu: "Anhydroicaritin improves diet-induced obesity and hyperlipidemia and alleviates insulin resistance by suppressing SREBPs activation." in: **Biochemical pharmacology**, Vol. 122, pp. 42-61, (2017) ([PubMed](#)).

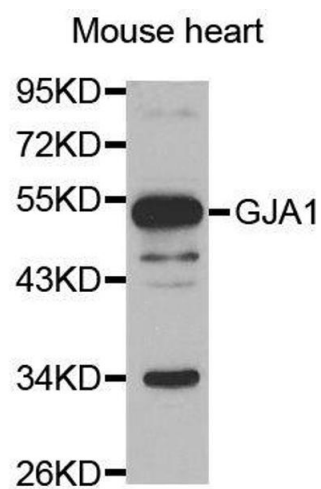
Guo, Hu, Chen, Li, Ye, Cheng, Zhang, He: "iTRAQ-based comparative proteomic analysis of Vero cells infected with virulent and CV777 vaccine strain-like strains of porcine epidemic diarrhea virus." in: **Journal of proteomics**, Vol. 130, pp. 65-75, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1.



Western Blotting

Image 2. Western blot analysis of extracts of mouse heart, using GJA1 antibody.