

Datasheet for ABIN3031019

anti-Connexin 43/GJA1 antibody (AA 351-367)

10 Images

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Overview

Quantity:	100 µg
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	AA 351-367
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids 351-367 (HELQPLAIVDQRPSSRA-human) were used as the immunogen for this Cx43 antibody (100% conserved in mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Connexin 43/GJA1 (GJA1)
Alternative Name:	Cx43 Connexin 43 (GJA1 Products)
Background:	Connexin 43 (Cx43), also called GAP Junction Protein, alpha, is a member of the connexin gene family and is abundantly expressed in the heart and liver. Connexin 43, the major protein of gap

Target Details

junctions in the heart, is targeted by several protein kinases that regulate myocardial cell-cell coupling. Cx43 also plays a critical role in the physiology of hearing, presumably by participating in the recycling of potassium to the cochlear endolymph.

UniProt: [P17302](#)

Pathways: [MAPK Signaling](#), [Myometrial Relaxation and Contraction](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Titration of the Cx43 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL

Restrictions: For Research Use only

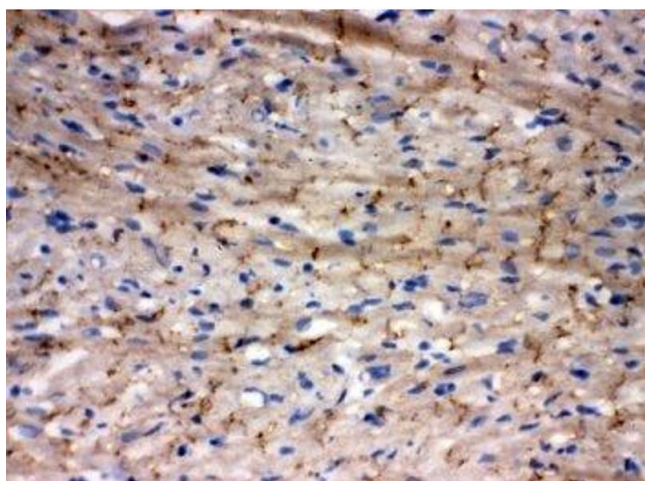
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

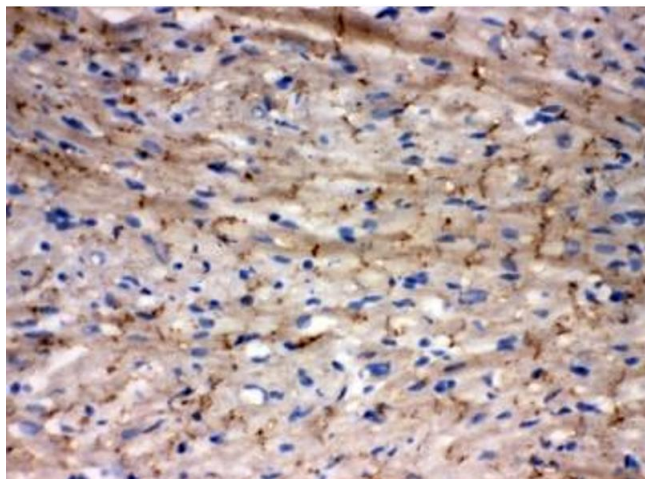
Storage Comment: The lyophilized Cx43 antibody can be stored at 4°C to -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



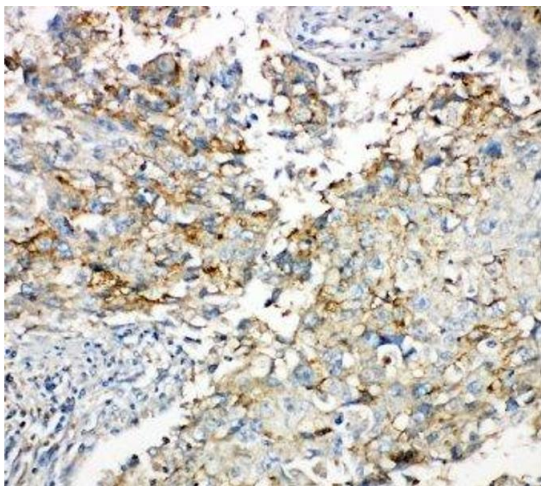
Immunohistochemistry

Image 1. IHC-F testing of rat heart tissue



Immunohistochemistry

Image 2. IHC-F testing of rat heart tissue



Immunohistochemistry

Image 3. IHC-P: Cx43 antibody testing of human lung cancer tissue

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN3031019.