

Datasheet for ABIN5647534
anti-GJC1 antibody (AA 91-131)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	GJC1
Binding Specificity:	AA 91-131
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 91-131 (YLGYAIHKIAKMEHGEADKKAARSKPYAMRWKQHRALEETE) from the human protein were used as the immunogen for the GJC1 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	GJC1
Alternative Name:	Connexin 45 / GJC1 (GJC1 Products)
Background:	Gap junction gamma-1 protein (GJC1), also known as gap junction alpha-7 protein (GJA7) or connexin 45 (Cx45), is a protein that in humans is encoded by the GJC1 gene. The International Radiation Hybrid Mapping Consortium mapped the GJA7 gene to chromosome 17q21.31. This gene is a member of the connexin gene family. The encoded protein is a component of gap

Target Details

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.

UniProt: [P36383](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Optimal dilution of the GJC1 antibody should be determined by the researcher.\. WB: 0.5-1 μ g/mL,IHC (FFPE): 1-2 μ g/mL

Restrictions: For Research Use only

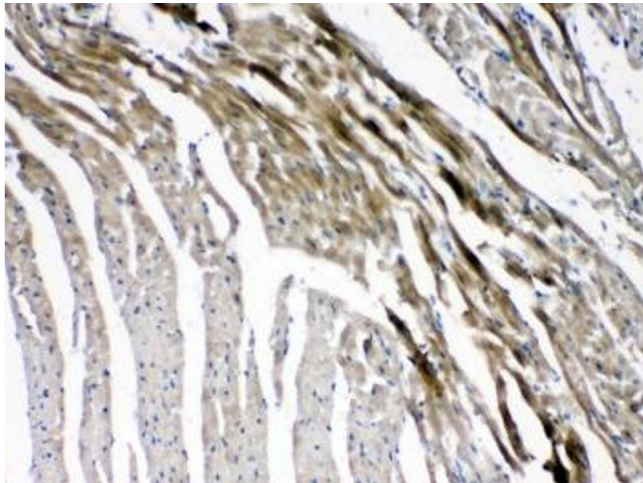
Handling

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

Storage: -20 °C

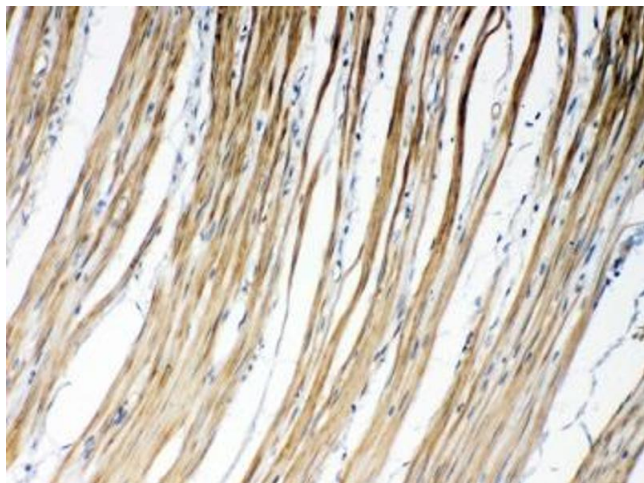
Storage Comment: After reconstitution, the GJC1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



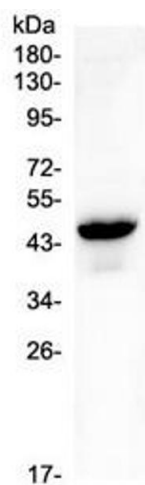
Immunohistochemistry

Image 1. IHC testing of FFPE mouse heart tissue with GJC1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Immunohistochemistry

Image 2. IHC testing of FFPE human intestinal cancer tissue with GJC1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western Blotting

Image 3. Western blot testing of rat testis lysate with GJC1 antibody at 0.5ug/ml. Predicted molecular weight ~45 kDa.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5647534.