Datasheet for ABIN7204290

anti-Connexin 43/GJA1 antibody (AA 310-390)

6 Images

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Overview

Quantity:	100 µL
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	AA 310-390
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Connexin 43 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the C-terminal region of human Connexin 43 at AA range: 310-390
Isotype:	IgG
Specificity:	Connexin 43 Polyclonal Antibody detects endogenous levels of Connexin 43 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	Connexin 43/GJA1 (GJA1)

Target Details

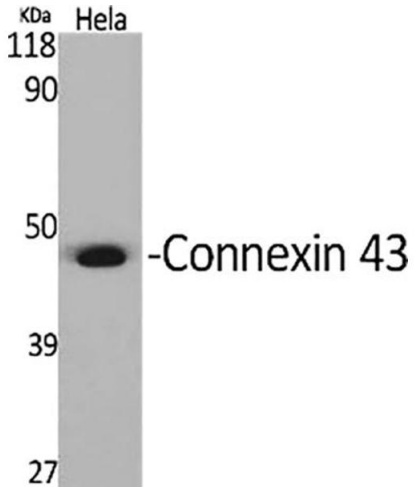
Alternative Name:	Connexin 43 (GJA1 Products)
Background:	Rabbit Anti-Connexin 43 Polyclonal Antibody,GJA1, GJAL, Gap junction alpha-1 protein, Connexin-43, Cx43, Gap junction 43 kDa heart protein,GJA1 is a member of the connexin gene family. Gap junction protein alpha 1 is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Gap junction protein alpha 1 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 GJA1 have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal dysplasia and heart malformations.,Gap junction alpha-1 protein
Gene ID:	2697
UniProt:	P17302
Pathways:	MAPK Signaling, Myometrial Relaxation and Contraction, Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:200-1:1000), IHC-P (1:100-1:300), ELISA (1:10000). Not yet tested in other applications.
Restrictions:	For Research Use only

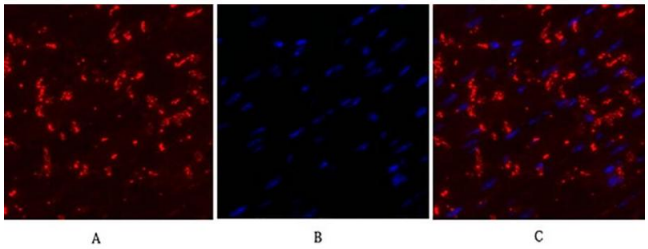
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



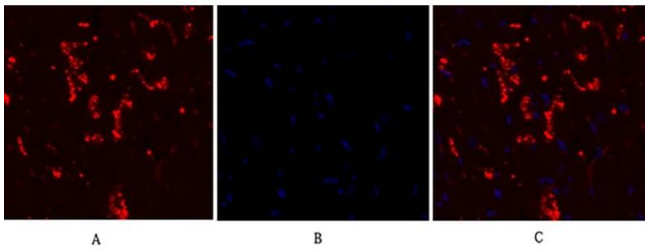
Western Blotting

Image 1. Western Blot analysis of various cells using Connexin 43 Polyclonal Antibody diluted at 1:2000.



Immunofluorescence

Image 2. Immunofluorescence analysis of mouse heart tissue. 1, Connexin 43 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Immunofluorescence

Image 3. Immunofluorescence analysis of rat heart tissue. 1, Connexin 43 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the product details page for more images. Overall 6 images are available for ABIN7204290.