

## anti- Connexin-43 antibody

### Product Information

Catalog No.:	FNab01861
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Gap junction protein that acts as a regulator of bladder capacity. A gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. May play a critical role in the physiology of hearing by participating in the recycling of potassium to the cochlear endolymph. Negative regulator of bladder functional capacity: acts by enhancing intercellular electrical and chemical transmission, thus sensitizing bladder muscles to cholinergic neural stimuli and causing them to contract(By similarity). May play a role in cell growth inhibition through the regulation of NOV expression and localization. Plays an essential role in gap junction communication in the ventricles(By similarity).

### Immunogen information

Immunogen:	gap junction protein, alpha 1, 43kDa
Synonyms:	Connexin-43, CX43, DFNB38, Gap junction alpha 1 protein, GJA1, GJAL, ODDD
Observed MW:	47 kDa
Uniprot ID :	P17302

### Wuhan Fine Biotech Co., Ltd.

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[www.fn-test.com](http://www.fn-test.com)

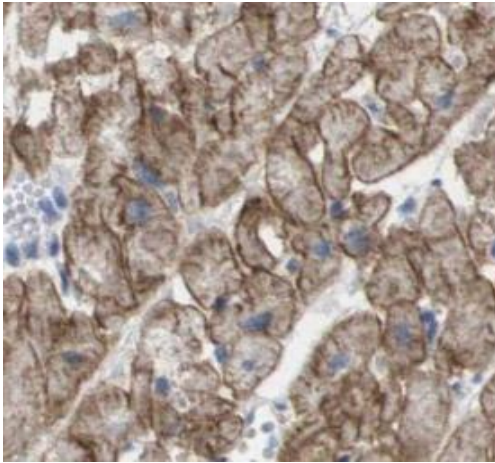
## Application

Reactivity: Human, Mouse, Rat

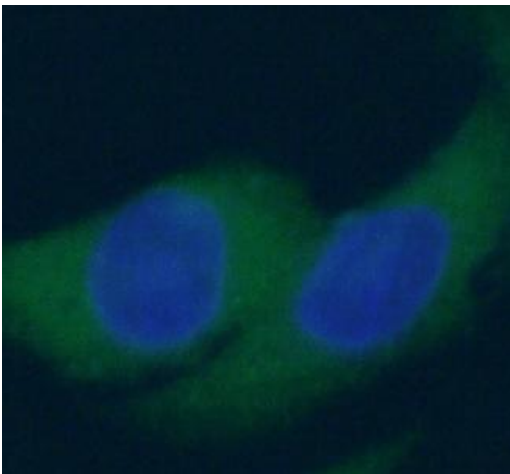
Tested Application: ELISA, WB, IHC, FC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:1000; IHC: 1:50-1:200; IF: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded mouse heart using FNab01861(GJA1 antibody) at dilution of 1:100



Immunofluorescent analysis of ( -20°C Ethanol ) fixed HeLa cells using FNab01861 at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

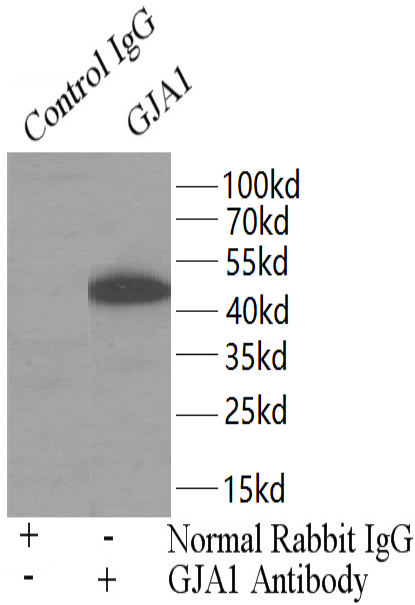
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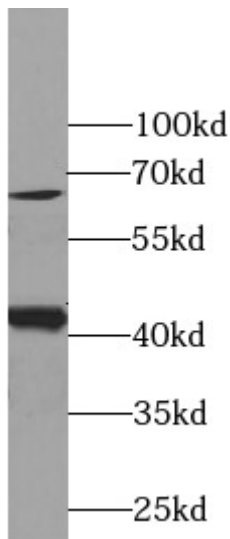
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IP Result of anti-Connexin-43 (IP: FNab01861, 4ug; Detection: FNab01861 1:1000) with mouse heart tissue lysate 3200ug.



HeLa cells were subjected to SDS PAGE followed by western blot with FNab01861(GJA1 antibody) at dilution of 1:1000