

**Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17418**

**Specification**

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**Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) - Product Information**

Application	WB, IHC-P, IF, ICC
Primary Accession	<a href="#">P17302</a>
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43008

**Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) - Additional Information**

**Gene ID** 2697

**Alias Symbol** GJA1

**Other Names**

GJA1, Connexin-43, DFNB38, Connexin 43, Gap junction alpha-1 protein, GJAL, HSS, Gap junction protein alpha 1, ODDD, ODD, AVSD3, CX43, HLHS1, ODOB, SDTY3

**Target/Specificity**

Recognizes endogenous levels of Connexin 43 protein.

**Reconstitution & Storage**

PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.

**Precautions**

Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) - Protein Information**

**Name** GJA1

**Synonyms** GJAL

**Function**

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).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Cell junction, gap junction. Endoplasmic reticulum {ECO:0000250|UniProtKB:P23242}. Note=Localizes at the intercalated disk (ICD) in cardiomyocytes and the proper localization at ICD is dependent on TMEM65. {ECO:0000250|UniProtKB:P23242}

**Tissue Location**

Expressed in the heart and fetal cochlea.

**Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-GJA1 / CX43 / Connexin 43 Antibody (C-Terminus) - Images**