

**Anti-GJA1 / CX43 / Connexin 43 Antibody (Internal)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17578****Specification**

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

Application	IHC-P
Primary Accession	<a href="#">P17302</a>
Predicted	Human, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43008

**Anti-GJA1 / CX43 / Connexin 43 Antibody (Internal) - 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, ODDO, SDTY3

**Target/Specificity**

Human GJA1 / Connexin 43. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

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

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