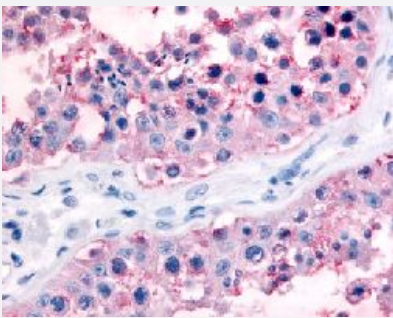


# GJA1 polyclonal antibody

Catalog # PAB16521

Size 50 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human testis (seminiferous tubules and leydig cells) with GJA1 polyclonal antibody (Cat # PAB16521).

## Specification

|                            |                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of GJA1.                                                                                     |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to human GJA1.                                                                                   |
| <b>Host</b>                | Rabbit                                                                                                                                                   |
| <b>Reactivity</b>          | Bovine, Dog, Guinea pig, Hamster, Human, Monkey, Mouse, Pig, Rabbit, Rat                                                                                 |
| <b>Specificity</b>         | C-terminal domain of human.                                                                                                                              |
| <b>Form</b>                | Liquid                                                                                                                                                   |
| <b>Purification</b>        | Immunoaffinity purification                                                                                                                              |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10-20 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                                                              |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                                   |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — GJA1

Entrez GeneID [2697](#)

Protein Accession# [P17302](#)

Gene Name GJA1

Gene Alias CX43, DFNB38, GJAL, ODDD

Gene Description gap junction protein, alpha 1, 43kDa

Omim ID [121014](#) [164200](#) [186100](#) [241550](#) [600309](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the connexin gene family. The encoded protein 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. The encoded protein 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 this gene have been associated with oculodentodigital dysplasia and heart malformations. [provided by RefSeq]

**Other Designations** OTTHUMP00000017111|connexin 43|gap junction 43 kDa heart protein|gap junction protein, alpha-like

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Gap junction](#)

## Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Presbycusis](#)
- [Schizophrenia](#)
- [Seizures](#)