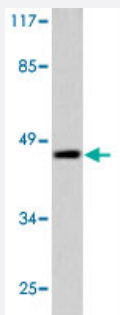


GJA1 polyclonal antibody

Catalog # PAB27041

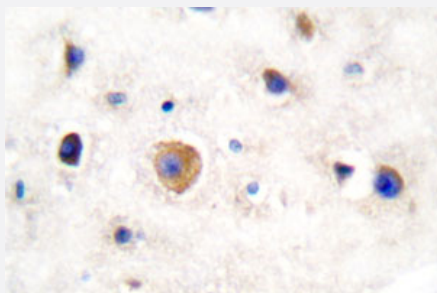
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of GJA1 polyclonal antibody (Cat # PAB27041) in extracts from A-549 cell.



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

Immunohistochemical analysis of paraffin-embedded human breast tissue with GJA1 polyclonal antibody (Cat # PAB27041).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GJA1.
Immunogen	A synthetic peptide corresponding to human GJA1.
Host	Rabbit
Theoretical MW (kDa)	43
Reactivity	Human, Mouse, Rat
Specificity	GJA1 polyclonal antibody detects endogenous levels of GJA1 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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

- Western Blot (Cell lysate)

Western blot analysis of GJA1 polyclonal antibody (Cat # PAB27041) in extracts from A-549 cell.

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

Immunohistochemical analysis of paraffin-embedded human breast tissue with GJA1 polyclonal antibody (Cat # PAB27041).

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

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](#)