

DNAxPAb

Hard-to-Find
Antibody

GJA1 DNAxPab

Catalog # H00002697-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human GJA1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — GJA1

Entrez GeneID	2697
GeneBank Accession#	DQ893649.2
Protein Accession#	ABM84575.1
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](#)