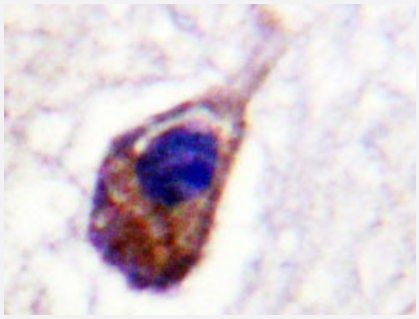
GJA1 polyclonal antibody

Catalog # PAB24856 Size 100 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using GJA1 polyclonal antibody (Cat # PAB24856).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GJA1.
Immunogen	A synthetic peptide corresponding to GJA1.
Host	Rabbit
Reactivity	Human
Specificity	GJA1 polyclonal antibody detects endogenous levels of GJA1 protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Recommend Usage	Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1x 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 shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human brain tissue using GJA1 polyclonal antibody (Cat # PAB24856).

- Immunofluorescence

Gene Info — GJA1

Entrez GeneID	2697
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 j unctions, which are composed of arrays of intercellular channels that provide a route for the diffusi on 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 t he heart and in embryonic development. A related intronless pseudogene has been mapped to ch romosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia and h eart malformations. [provided by RefSeq
Other Designations	OTTHUMP00000017111|connexin 43|gap junction 43 kDa heart protein|gap junction protein, alph a-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