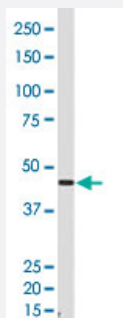


GJA5 polyclonal antibody

Catalog # PAB3589

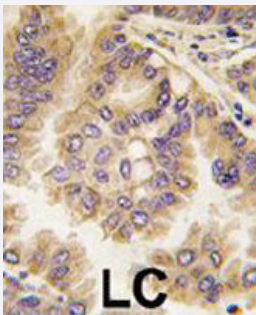
Size 200 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of GJA5 polyclonal antibody (Cat # PAB3589) in placenta lysate. GJA5 (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



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

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with GJA5 polyclonal antibody (Cat # PAB3589), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GJA5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human GJA5.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 (Tissue lysate)

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Gene Info — GJA5

Entrez GeneID	2702
Protein Accession#	P36382
Gene Name	GJA5
Gene Alias	CX40, MGC11185
Gene Description	gap junction protein, alpha 5, 40kDa
Omim ID	108770 121013
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. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000015905 connexin 40

Publication Reference

- [Genomic organization and alternative transcripts of the human Connexin40 gene.](#)

Dupays L, Mazurais D, Rucker-Martin C, Calmels T, Bernot D, Cronier L, Malassine A, Gros D, Theveniau-Ruissy M.
Gene 2003 Feb; 305(1):79.

- [Vascular abnormalities in mice lacking the endothelial gap junction proteins connexin37 and connexin40.](#)

Simon AM, McWhorter AR.

Developmental Biology 2002 Nov; 251(2):206.

Application: IS, Mouse, Skin, Testis, Intestine, Lung

- [Connexin expression and gap junctional intercellular communication in human first trimester trophoblast.](#)

Cronier L, Defamie N, Dupays L, Theveniau-Ruissy M, Goffin F, Pointis G, Malassine A.

Molecular Human Reproduction 2002 Nov; 8(11):1005.

Application: IF, IHC, Human, Human placental tissues

Disease

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