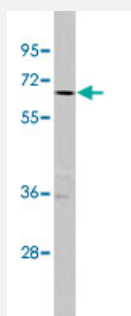


GJA9 polyclonal antibody

Catalog # PAB3599

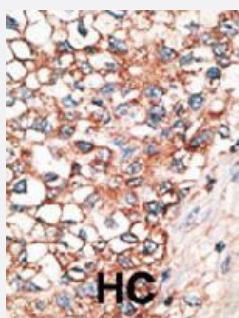
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse heart tissue lysate (35 ug/lane) with GJA9 polyclonal antibody (Cat # PAB3599).



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with GJA9 polyclonal antibody (Cat # PAB3599), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GJA9.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human GJA9.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) 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)

Western blot analysis of mouse heart tissue lysate (35 ug/lane) with GJA9 polyclonal antibody (Cat # PAB3599).

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Gene Info — GJA9

Entrez GeneID	81025
Protein Accession#	NP_110399;P57773
Gene Name	GJA9
Gene Alias	CX58, CX59, GJA10, MGC50985
Gene Description	gap junction protein, alpha 9, 59kDa
Gene Ontology	Hyperlink
Gene Summary	Connexins, such as GJA9, are involved in the formation of gap junctions, intercellular conduits that directly connect the cytoplasm of contacting cells. Each gap junction channel is formed by docking of 2 hemichannels, each of which contains 6 connexin subunits (Sohl et al., 2003 [PubMed 12881038]).[supplied by OMIM]
Other Designations	OTTHUMP00000000542 connexin 59 gap junction alpha 10 gap junction protein, alpha 10, 59kDa

Publication Reference

- [Functional expression of connexin57 in horizontal cells of the mouse retina.](#)

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- [Functional significance of gap junctional coupling in preimplantation development.](#)

Houghton FD, Barr KJ, Walter G, Gabriel HD, Grummer R, Traub O, Leese HJ, Winterhager E, Kidder GM.

Biology of Reproduction 2002 May; 66(5):1403.

- [Molecular cloning and functional expression of the mouse gap junction gene connexin-57 in human HeLa cells.](#)

Manthey D, Bukauskas F, Lee CG, Kozak CA, Willecke K.

The Journal of Biological Chemistry 1999 May; 274(21):14716.

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)