10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GJA10 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1550b

Product Information

Application	WB, IHC-P, E
Primary Accession	P57773
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58842
Antigen Region	484-515

Additional Information

Gene ID	81025
Other Names	Gap junction alpha-9 protein, Connexin-58, Cx58, Connexin-59, Cx59, Gap junction alpha-10 protein, GJA9, GJA10
Target/Specificity	This GJA10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 484-515 amino acids from the C-terminal region of human GJA10.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GJA10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GJA9
Synonyms	GJA10
Function	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low

	MW diffuse from one cell to a neighboring cell.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction
Tissue Location	Highly abundant in skeletal muscle. Also detected in testis.

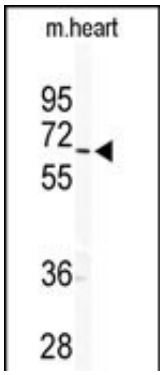
Background

GJA8 is a an integral membrane protein that belongs to the connexin family, alpha-type (group II) subfamily. One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. A connexon is composed of a hexamer of connexins.

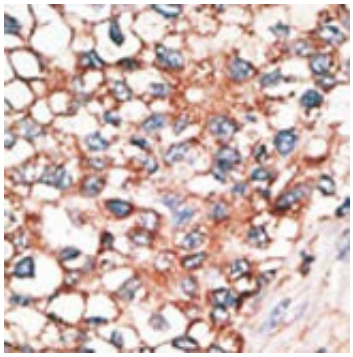
References

Hombach S, et al., Eur J Neurosci. 2004 May;19(10):2633-40.
Houghton FD, et al., Biol Reprod. 2002 May;66(5):1403-12.
Manthey D, et al., J Biol Chem. 1999 May 21;274(21):14716-23.

Images



Western blot analysis of GJA10 Antibody (C-term) (Cat.#AP1550b) in mouse heart tissue lysates (35ug/lane). GJA10 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.

Citations

- Expression pattern of connexins in the corneal and limbal epithelium of a primate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.