

Connexin 37 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1544b

Specification

Connexin 37 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P35212
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37414
Antigen Region	303-333

Connexin 37 Antibody (C-term) - Additional Information

Gene ID 2701

Other Names

Gap junction alpha-4 protein, Connexin-37, Cx37, GJA4

Target/Specificity

This Connexin 37 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-333 amino acids from the C-terminal region of human Connexin 37.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, 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

Connexin 37 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Connexin 37 Antibody (C-term) - Protein Information

Name GJA4

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

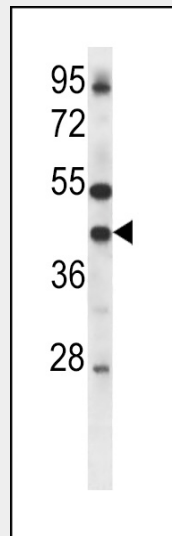
Expressed in multiple organs and tissues, including heart, uterus, ovary, and blood vessel endothelium

Connexin 37 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Connexin 37 Antibody (C-term) - Images



GJA4 Antibody (K317).Connexin (Cat. #AP1544b) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the GJA4 antibody detected the GJA4 protein (arrow).



Connexin 37 Antibody (GJA4) (C-term) (Cat. #AP1544b) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Connexin 37 Antibody (GJA4) (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Connexin 37 Antibody (C-term) - Background

Gap junctions permit direct cell-to-cell passage of small cytoplasmic molecules, including ions, metabolic intermediates, and second messengers, and thereby mediate intercellular communication. Gap junction channels consist of connexin protein subunits encoded by a multigene family. Erythrokeratoderma variabilis (EKV) is an autosomal dominant disorder of keratinization characterized by migratory erythematous lesions and fixed keratotic plaques. Mutations in the GJB3 gene have been reported in some but not all families, although it has been postulated that the absence of connexin 30.3 can be compensated by other connexins.

Connexin 37 Antibody (C-term) - References

- Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).
- Saito, T., et al., Int. J. Cancer 86(1):67-70 (2000).
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- Krutovskikh, V., et al., Carcinogenesis 17(8):1761-1763 (1996).
- Reed, K.E., et al., J. Clin. Invest. 91(3):997-1004 (1993).