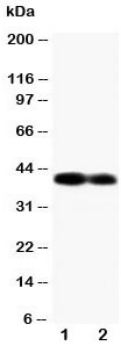
Connexin 40 Antibody (R30437)

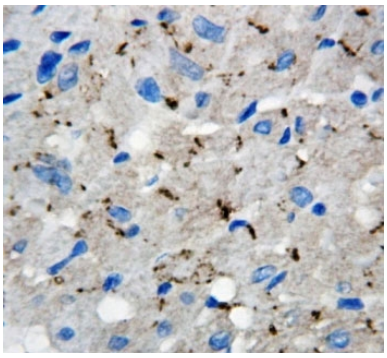
Catalog No.	Formulation	Size
R30437	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P36382
Applications	Western blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml
Limitations	This Connexin 40 antibody is available for research use only.



Western blot testing of Connexin 40 antibody different lots of mouse heart tissue lysate. Predicted molecular weight ~40 kDa.



IHC-P: Connexin 40 antibody testing of rat heart tissue

Description

Connexin proteins oligomerize to form intercellular channels, called gap junctions, through which ions and small molecules move between adjacent cells. Connexin 40(Gap junction alpha-5 protein) is a protein that in humans is encoded by the GJA5 gene.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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Connexin 40 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Connexin 40/GJA5 (KRRLSKASSKARSDDLSV) was used as the immunogen for this Connexin 40 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the Connexin 40 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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