

Anti-Connexin 40/GJA5 Antibody

Catalog # ABO10693

Product Information

Application	WB, IHC-P
Primary Accession	P36382
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Gap junction alpha-5 protein(GJA5) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2702
Other Names	Gap junction alpha-5 protein, Connexin-40, Cx40, GJA5
Calculated MW	40380
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 µg/ml, Mouse, Human, Rat
Subcellular Localization	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction.
Source	Eukaryota
Protein Name	Gap junction alpha-5 protein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Connexin 40/GJA5(341-358aa KRRLSKASSKARSDDLVS), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

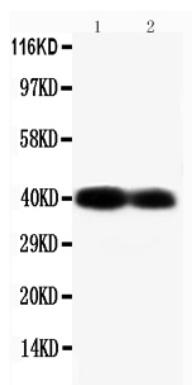
Protein Information

Name	GJA5
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

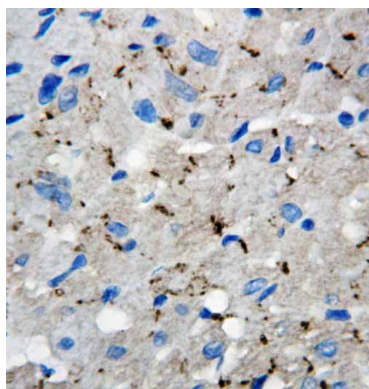
Background

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.

Images



Anti-Connexin 40/GJA5 antibody, ABO10693, Western blotting
Lane 1: Mouse Heart Tissue Lysate
Lane 2: Mouse Heart Tissue Lysate



Anti-Connexin 40/GJA5 antibody, ABO10693,
IHC(P)IHC(P): Rat Cardiac Muscle Tissue

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