

## Anti-Connexin 40/GJA5 Antibody

Catalog Number: PA1368

### About GJA5

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.

### Overview

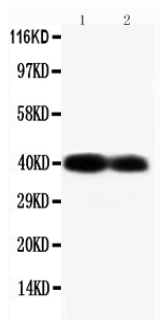
Product Name	Anti-Connexin 40/GJA5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Connexin 40/GJA5 Antibody catalog # PA1368. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P36382

### Technical Details

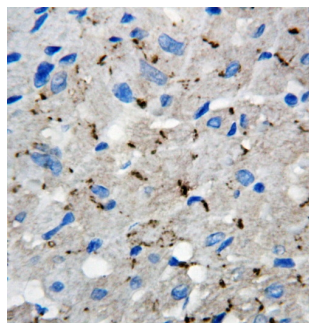
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Connexin 40/GJA5 (341-358aa KRRLSKASSKARSDDLVS), identical to the related mouse and rat sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

Cross Reactivity	No cross reactivity with other proteins
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 $\mu$ g/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used Immunohistochemistry (Paraffin-embedded Section), 0.5-1 <math>\mu</math>g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 <math>\mu</math>g/ml, Mouse, Human, Rat</p> <p>For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a></p>

## Anti-Connexin 40/GJA5 Antibody (PA1368) Images



Anti-Connexin 40/GJA5 antibody, PA1368, Western blotting  
Lane 1: Mouse Heart Tissue Lysate  
Lane 2: Mouse Heart Tissue Lysate



Anti-Connexin 40/GJA5 antibody, PA1368, IHC(P)  
IHC(P): Rat Cardiac Muscle Tissue

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