

Anti-Connexin 37/GJA4 Antibody
Catalog # ABO11515**Specification**

Anti-Connexin 37/GJA4 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	P35212
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Gap junction alpha-4 protein(GJA4) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.

Reconstitution

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

Anti-Connexin 37/GJA4 Antibody - Additional Information

Gene ID 2701

Other Names

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

Calculated MW

37414 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, Mouse, Rat
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Cell membrane; Multi-pass membrane protein. Cell junction, gap junction.

Tissue Specificity

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

Protein Name

Gap junction alpha-4 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 N-terminus of human Connexin 37(3-17aa DWGFLEKLLDQVQEH), 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.

Anti-Connexin 37/GJA4 Antibody - 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

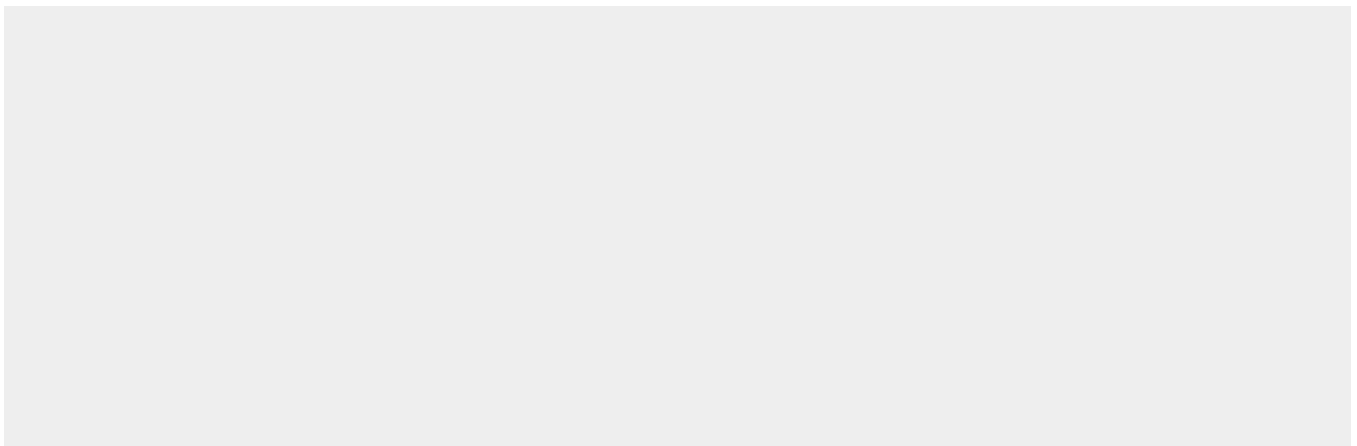
Tissue Location

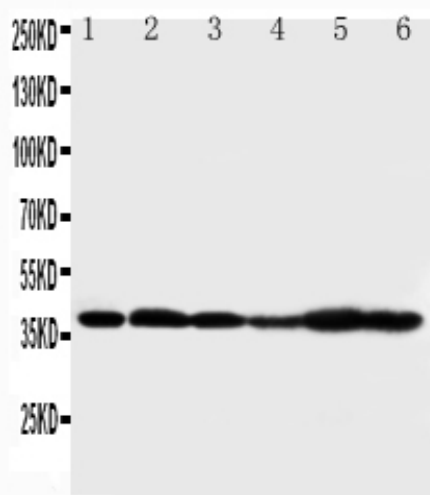
Expressed in multiple organs and tissues, including heart, uterus, ovary, and blood vessel endothelium

Anti-Connexin 37/GJA4 Antibody - Protocols

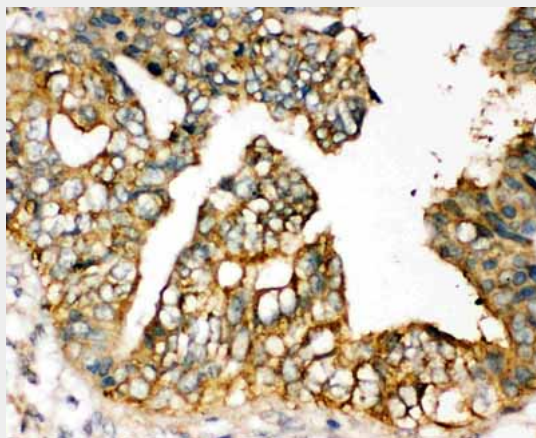
Provided below are standard protocols that you may find useful for product applications.

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

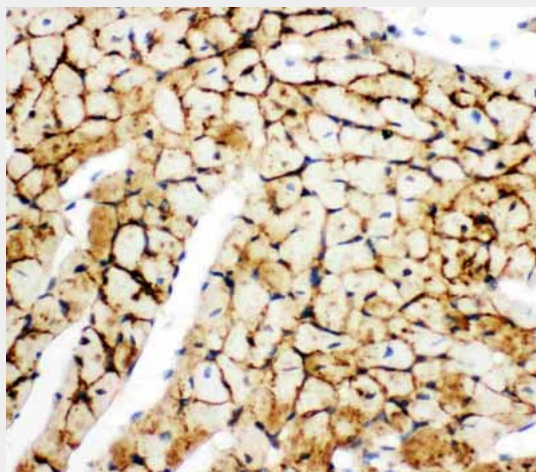
Anti-Connexin 37/GJA4 Antibody - Images



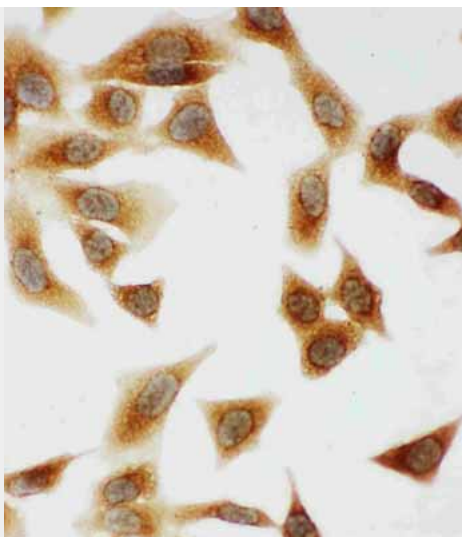
Anti-Connexin 37/GJA4 antibody, ABO11515, Western blotting
Lane 1: Rat Heart Tissue Lysate
Lane 2: HELA Cell Lysate
Lane 3: MCF-7 Cell Lysate
Lane 4: NIH3T3 Cell Lysate
Lane 5: SKOV Cell Lysate
Lane 6: A431 Cell Lysate



Anti-Connexin 37/GJA4 antibody, ABO11515, IHC(P)
IHC(P): Human Intestinal Cancer Tissue



Anti-Connexin 37/GJA4 antibody, ABO11515, IHC(P)
IHC(P): Rat Cardiac Muscle Tissue



Anti-Connexin 37/GJA4 antibody, ABO11515, ICCICC: HELA Cell

Anti-Connexin 37/GJA4 Antibody - Background

Gap junction alpha-4 protein(GJA4), also called CX37 is a protein that in humans is encoded by the GJA4 gene. This gene is mapped to 1p34.3. This gene encodes 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 have been associated with atherosclerosis and a higher risk of myocardial infarction. CX37 had been shown to reflect the stage and maturity of luteinized follicles in animal studies.