

Anti-Connexin 45/GJA7 Antibody
Catalog # ABO11516**Specification**

Anti-Connexin 45/GJA7 Antibody - Product Information

Application	WB
Primary Accession	P36383
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Gap junction gamma-1 protein(GJC1) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

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

Anti-Connexin 45/GJA7 Antibody - Additional Information

Gene ID 10052

Other Names

Gap junction gamma-1 protein, Connexin-45, Cx45, Gap junction alpha-7 protein, GJC1, GJA7

Calculated MW

45470 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

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

Protein Name

Gap junction gamma-1 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 45(308-322aa KIAYKQNKANTAQEQ), different from the related mouse and rat sequences by one amino acid.

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 45/GJA7 Antibody - Protein Information

Name GJC1

Synonyms GJA7

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

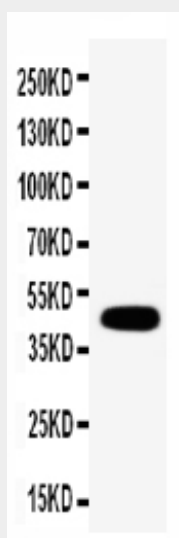
Cell membrane; Multi-pass membrane protein. Cell junction, gap junction

Anti-Connexin 45/GJA7 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 45/GJA7 Antibody - Images



Anti-Connexin 45/GJA7 antibody, ABO11516, Western blottingWB: MCF-7 Cell Lysate

Anti-Connexin 45/GJA7 Antibody - Background

Gap junction gamma-1 protein(GJC1), also known as gap junction alpha-7 protein(GJA7) or connexin 45(Cx45), is a protein that in humans is encoded by the GJC1 gene. The International Radiation Hybrid Mapping Consortium mapped the GJA7 gene to chromosome 17q21.31. 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.