

Datasheet for ABIN7043198

**anti-Connexin 43/GJA1 antibody (C-Term, Intracellular)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	25 µL
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	AA 331-345, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HAQPFDFPDDNQNSK, corresponding to amino acids residues 331-345 of human Connexin-43
Isotype:	IgG
Characteristics:	Anti-Connexin-43 Antibody is directed against an epitope of human Connexin-43. Anti-Connexin-43 Antibody (ABIN7043198, ABIN7044079 and ABIN7044080)) can be used in western blot, immunohistochemistry and immunocytochemistry applications. It has been designed to recognize Cx43 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

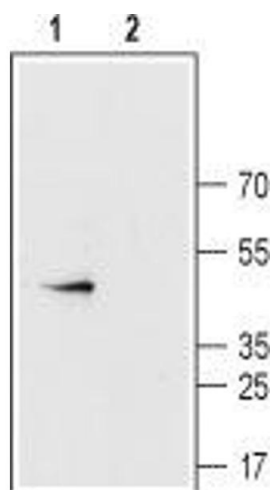
Target:	Connexin 43/GJA1 (GJA1)
Alternative Name:	Connexin-43 ( <a href="#">GJA1 Products</a> )
Background:	Alternative names: Connexin-43, CX43, Gap junction alpha1 protein, GJA1, GJAL, Gap junction 43 kDa heart protein
Gene ID:	2697
NCBI Accession:	<a href="#">NM_000165</a>
UniProt:	<a href="#">P17302</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



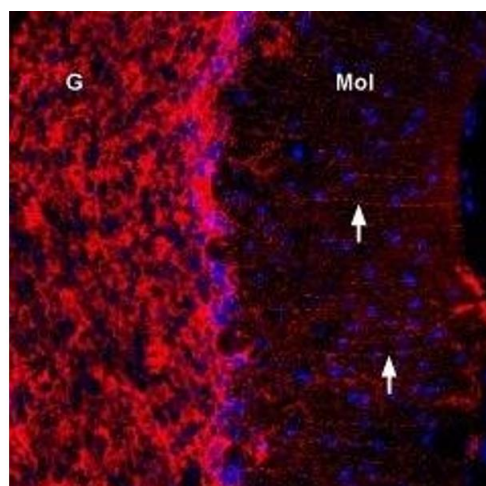
### Western Blotting

**Image 1.** Western blot analysis of rat heart membranes: - 1. Anti-Connexin-43 Antibody (ABIN7043198, ABIN7044079 and ABIN7044080), (1:400). 2. Anti-Connexin-43 Antibody, preincubated with Connexin-43 Blocking Peptide (#BLP-CC201).



### Immunocytochemistry

**Image 2.** Expression of Connexin-43 in rat intestinal epithelial IEC-6 cells - Immunocytochemical staining of fixed and permeabilized rat intestinal epithelial IEC-6 cells. Cells were stained with Anti-Connexin-43 Antibody (ABIN7043198, ABIN7044079 and ABIN7044080), (1:200), followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). Cell nuclei were visualized using Hoechst 33342 (blue).



### Immunohistochemistry

**Image 3.** Expression of Connexin-43 in rat cerebellum - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-Connexin-43 Antibody (ABIN7043198, ABIN7044079 and ABIN7044080), (1:300). Cx43 staining (red) appeared in Bergmann glial fibers (arrows) in the molecular layer (MOL) and in the granule layer (G). Cell nuclei were stained with DAPI (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043198.