

Datasheet for ABIN7043205  
**anti-GJD2 antibody (Intracellular)**

## 2 Images

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## Overview

Quantity:	25 µL
Target:	GJD2
Binding Specificity:	AA 170-182, Intracellular
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EVKELAPHPGLR, corresponding to amino acid residues 170-182 of rat Connexin-36
Isotype:	IgG
Characteristics:	Anti-Connexin-36 Antibody (ABIN7043205, ABIN7044087 and ABIN7044088)) is a highly specific antibody targeted against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Cx36 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

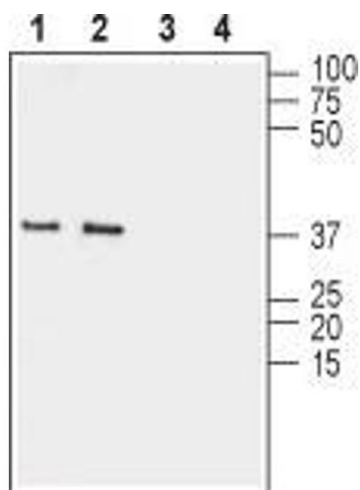
Target:	GJD2
Alternative Name:	Connexin-36 ( <a href="#">GJD2 Products</a> )
Background:	Alternative names: Connexin-36, CX36, Gap junction delta2 protein, Gap junction alpha9 protein, GJD2, GJA9
Gene ID:	50564
NCBI Accession:	<a href="#">NM_020660</a>
UniProt:	<a href="#">O70610</a>

## Application Details

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

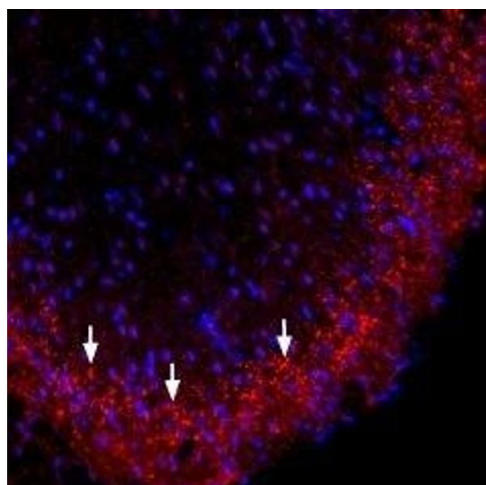
## Handling

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 mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain membranes: - 1,2. Anti-Connexin-36 Antibody (ABIN7043205, ABIN7044087 and ABIN7044088), (1:200).3,4. Anti-Connexin-36 Antibody, preincubated with Connexin-36 Blocking Peptide (#BLP-CC209).



### Immunohistochemistry

**Image 2.** Expression of Connexin-36 in rat spinal cord - Immunohistochemical staining of perfusion-fixed frozen rat spinal cord sections using Anti-Connexin-36 Antibody (ABIN7043205, ABIN7044087 and ABIN7044088), (1:300). Cx36 staining (in red) appears in processes (arrows) along the first layer of the dorsal horn of the rat spinal cord. Cell nuclei are stained with DAPI (blue).