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## Datasheet for ABIN1400209 **anti-GJC3 antibody (Biotin)**

### Overview

Quantity:	100 µL
Target:	GJC3 (GJc3)
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJC3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Connexin 29
Isotype:	IgG
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

### Target Details

Target:	GJC3 (GJc3)
Alternative Name:	Connexin-29 ( <a href="#">GJc3 Products</a> )
Background:	Synonyms: Connexin 29, connexin29, connexin-29, Connexin 30.2, Connexin 31.3, Connexin-30.2, Connexin-31.3, CX23, Cx29 , Cx30.2, Cx31.3, CXG3_HUMAN, Gap junction epsilon 1 protein, Gap junction epsilon-1 protein , Gap junction gamma 3 protein, Gap junction gamma-3

## Target Details

protein, Gap junction protein epsilon 1 29 kDa, Gap junction protein epsilon 1, Gap junction protein gamma 3 30.2 kDa, Gap junction protein gamma 3, GJC 3 antibodyGJC3, GJE 1.

Background: Connexin 29 belongs to the connexin family and is a member of the epsilon-type subfamily. Connexin 29 is a membrane bound, multi-pass protein also known as gap junction epsilon-1 protein. A connexon, consisting of connexin hexamers, is a membrane bound structure that is integral in the formation of a gap junction. One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low molecular weight diffuse from one cell to a neighboring cell. Connexin 29 expression is restricted to the central nervous system and is present in brain, spinal cord, and sciatic nerve samples. It has been suggested that connexin 29 in the mature CNS contributes minimally to gap junctional intercellular communication in oligodendrocyte cell bodies. Rather, connexin 29 is targeted to myelin where it, along with connexin 32, may contribute to connexin-mediated communication between adjacent layers of uncompact myelin.

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: WB 1:100-1000  
IHC-P 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months