

Datasheet for ABIN2798874
anti-GJC1 antibody (N-Term)



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Overview

Quantity:	400 µL
Target:	GJC1
Binding Specificity:	AA 89-120, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GJC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Rabbit Anti-Human GJA7 (N-term) Antibody
Immunogen:	This GJA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-120 amino acids from the N-terminal region of human GJA7.
Isotype:	Ig Fraction

Target Details

Target:	GJC1
Alternative Name:	GJA7 (GJC1 Products)
Background:	Target Description: Gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell closely packed transmembrane channels. Proteins, called

Target Details

connexins, purified from fractions of enriched gap junctions from different tissues differ. Connexins are designated by their molecular mass. Another system of nomenclature divides gap junction proteins into 2 categories, alpha and beta, according to sequence similarities at the nucleotide and amino acid levels. For example, CX43 is designated alpha-1 gap junction protein, whereas CX32 and CX26 are called beta-1 and beta-2 gap junction proteins, respectively. This nomenclature emphasizes that CX32 and CX26 are more homologous to each other than either of them is to CX43. Connexins have four transmembrane, three intracellular, and two extracellular regions. Different tissues express different connexins, though tissue specificities overlap, and a given tissue or cell can express several different connexins. Developmental regulation of at least some of the connexin genes has been found. Embryo implantation is regulated in part by temporally changing patterns of expression of connexins in the embryo and the maternal decidua.

Gene Symbol: GJC1

Molecular Weight: 45470 Da

Gene ID: 10052

UniProt: [P36383](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Western Blot, Immunohistochemistry

Recommended Dilutions

WB: 1:1000, IHC: 1:50-100 Western blot analysis of hGJA7-H104. Connexin was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.460 mg/mL

Handling

Storage:	4 °C,-20 °C
Storage Comment:	2-8°C (short-term), -20°C (long-term)