

### Connexin 36 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1549b

# **Specification**

### Connexin 36 Antibody (C-term) - Product Information

Application IHC-P, WB,E
Primary Accession Q9UKL4

Other Accession
Reactivity
O70610, O54851, O866T7
Human, Mouse, Rat

Predicted Bovine
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Antigen Region 291-321

# Connexin 36 Antibody (C-term) - Additional Information

### **Gene ID 57369**

### **Other Names**

Gap junction delta-2 protein, Connexin-36, Cx36, Gap junction alpha-9 protein, GJD2, GJA9

### Target/Specificity

This Connexin 36 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-321 amino acids from the C-terminal region of human Connexin 36.

### **Dilution**

IHC-P~~1:50~100 WB~~1:2000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Storage

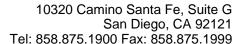
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Connexin 36 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# Connexin 36 Antibody (C-term) - Protein Information

### Name GJD2





Synonyms GJA9

**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

### **Tissue Location**

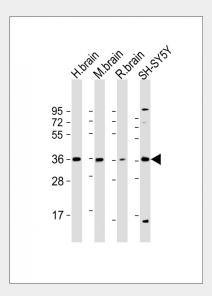
Highly expressed in neurons.

### Connexin 36 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

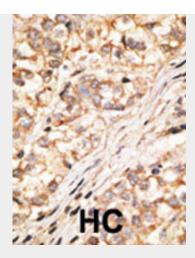
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Connexin 36 Antibody (C-term) - Images



All lanes: Anti-Connexin 36 Antibody (C-term) at 1:2000 dilution Lane 1: human brain lysate Lane 2: mouse brain lysate Lane 3: rat brain lysate Lane 4: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 36kDa Blocking/Dilution buffer: 5% NFDM/TBST.





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.

# Connexin 36 Antibody (C-term) - Background

GJA9, also called connexin-36 (CX36), is a member of the connexin gene family that is expressed predominantly in mammalian neurons. Connexins associate in groups of 6 and are organized radially around a central pore to form connexons. Each gap junction intercellular channel is formed by the conjunction of 2 connexons.

### **Connexin 36 Antibody (C-term) - References**

de Brouwer, A.P., et al., Hum. Genet. 112(2):156-163 (2003). Belluardo, N., et al., J. Neurosci. Res. 57(5):740-752 (1999).