10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Connexin 36 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1549b

Specification

Connexin 36 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9UKL4
Other Accession	O70610, O54851, Q866T7
Reactivity	**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
WB~~1:2000
IHC-P~~1:50~100

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

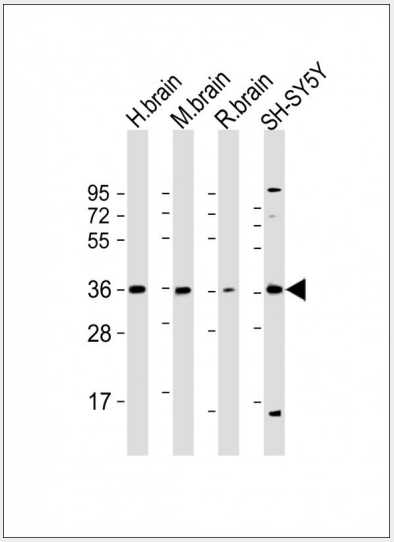
Tissue Location
Highly expressed in neurons.

Connexin 36 Antibody (C-term) - Protocols

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

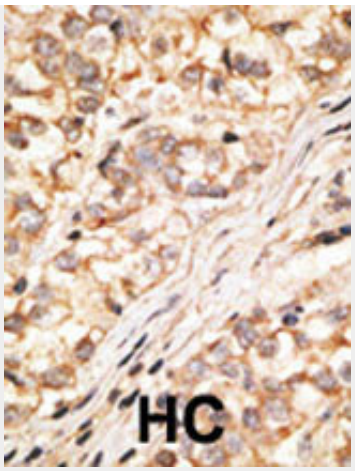
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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).