



Rabbit Anti-Connexin-29 antibody

SL8697R

Product Name:	Connexin-29
Chinese Name:	间隙连接蛋白29抗体
Alias:	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 protein; Gap junction protein epsilon 1 29kDa; Gap junction protein epsilon 1; Gap junction protein gamma 3 30.2kDa; Gap junction protein gamma 3; GJC 3 antibodyGJC3; GJE 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Connexin 29:71-170/269<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

A connexon is composed of a hexamer of connexins

Subcellular Location:

Cell membrane. Cell junction, gap junction.

Tissue Specificity:

CNS specific. Expression is restricted to brain, spinal cord, and sciatic nerve. According to PubMed:12881038, expression is abundant in skeletal muscle, liver, and heart, and to a minor degree in pancreas and kidney.

Similarity:

Belongs to the connexin family. Gamma-type subfamily.

SWISS:

Q921C1

Gene ID:

118446

Database links:

UniProtKB/Swiss-Prot: Q921C1.2

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.