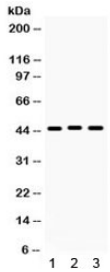
Connexin 45 Antibody (R32083)

Catalog No.	Formulation	Size
R32083	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P36383
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This Connexin 45 antibody is available for research use only.



Western blot testing of 1) rat stomach, 2) human HeLa and 3) human PANC lysate with Connexin 45 antibody. Expected/observed molecular weight ~45 kDa.

Description

Gap junction gamma-1 protein (GJC1), also known as gap junction alpha-7 protein (GJA7) or connexin 45 (Cx45), is a protein that in humans is encoded by the GJC1 gene. The International Radiation Hybrid Mapping Consortium mapped the GJA7 gene to chromosome 17q21.31. This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell.

Application Notes

Optimal dilution of the Connexin 45 antibody should be determined by the researcher.

Immunogen

Amino acids ADLEALQREIRMAQERLDLAVQAYSHQNNP H of human Connexin 45/GJA7 were used as the immunogen for the Connexin 45 antibody.

Storage

After reconstitution, the Connexin 45 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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