

For Research Use Only

Connexin 45 Polyclonal antibody

Catalog Number: 22184-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

22184-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16742

GenBank Accession Number:

BC096213

GeneID (NCBI):

10052

UNIPROT ID:

P36383

Full Name:

gap junction protein, gamma 1, 45kDa

Calculated MW:

396 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

rat

Positive Controls:

WB : mouse heart tissue,

IHC : mouse brain tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Connexin 45 (Cx45), also known as Gap junction gamma protein (GJC1), belongs to the connexin family. Connexins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. A loss-of-function mutation in Cx45 contributing to Atrial fibrillation (AF) and other cardiac arrhythmias (PMID: 33429106).

Notable Publications

Author	Pubmed ID	Journal	Application
Xue Bai	38878160	Appl Biochem Biotechnol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

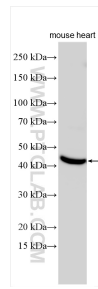
T: 4006900926

E: Proteintech-CN@ptglab.com

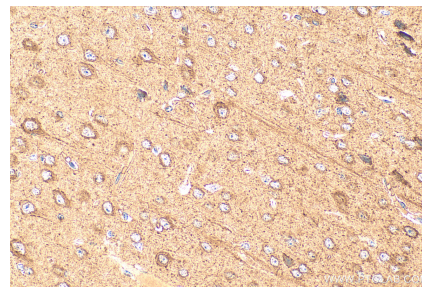
W: ptgcn.com

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Selected Validation Data



mouse heart tissue was subjected to SDS PAGE followed by western blot with 22184-1-AP (Connexin 45 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 22184-1-AP (Connexin 45 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).