

For Research Use Only

Connexin 45 Polyclonal antibody, PBS Only

Catalog Number: 22184-1-PBS

Featured Product



Basic Information

Catalog Number:

22184-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

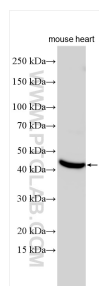
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

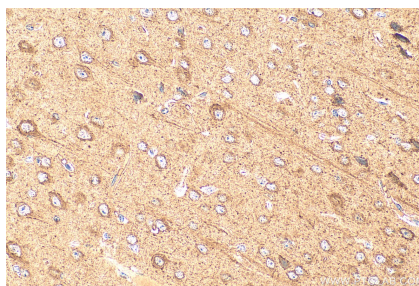
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 22184-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 22184-1-PBS in a different storage buffer formulation.