

For Research Use Only

Connexin 43 Polyclonal antibody, PBS Only

Catalog Number: 26980-1-PBS



Basic Information

Catalog Number:

26980-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25533

GenBank Accession Number:

BC026329

GeneID (NCBI):

2697

UNIPROT ID:

P17302

Full Name:

gap junction protein, alpha 1, 43kDa

Calculated MW:

43 kDa

Observed MW:

43-47 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF-P, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Connexin-43 (Cx43, also known as gap junction alpha-1), a member of connexin family, plays essential roles in gap junction communication that facilitates direct communication among adjacent cells (PMID: 12270943). Usually, six connexin proteins oligomerize into a hemi-channel or connexon during intercellular channel formation (PMID: 12270943). Mutations of Cx43 may cause a series of diseases such as oculodentodigital dysplasia (ODDD), syndactyly 3 (SDTY3), hypoplastic left heart syndrome 1 (HLHS1) and so on (PMID: 18161618, 1472936, 1147490).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

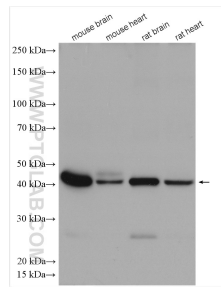
T: 4006900926

E: Proteintech-CN@ptglab.com

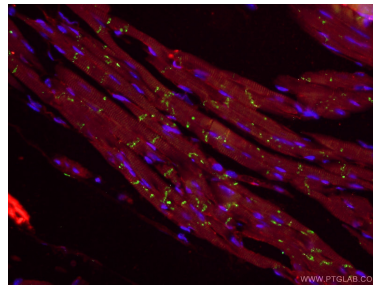
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

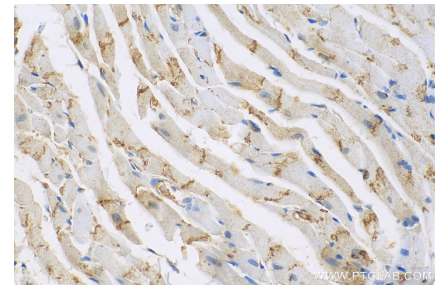
Selected Validation Data



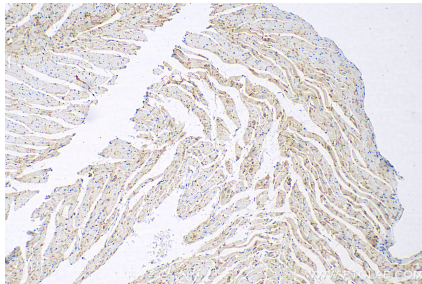
Various lysates were subjected to SDS PAGE followed by western blot with 26980-1-AP (Connexin 43 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.



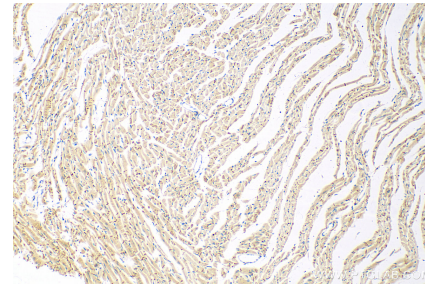
Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 26980-1-AP (Connexin 43 antibody) at dilution of 1:50 and 66895-1-Ig (alpha Actinin mouse mAb) at dilution of 1:50, further stained with CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 26980-1-AP, and CoraLite594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) for 66895-1-Ig. This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer



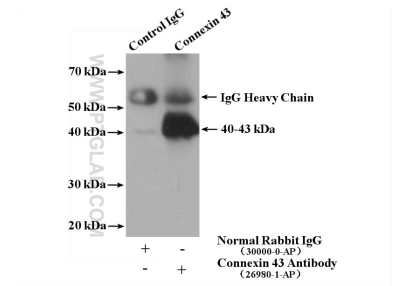
Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 26980-1-AP (Connexin 43 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.



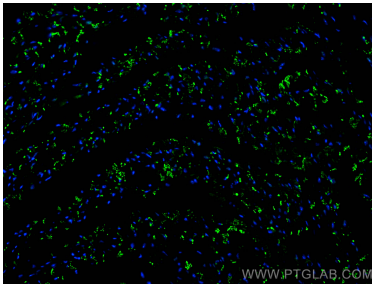
Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 26980-1-AP (Connexin 43 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.



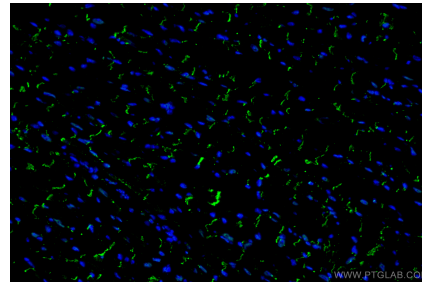
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 26980-1-AP (Connexin 43 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.



IP result of anti-Connexin 43 (IP:26980-1-AP, 4ug; Detection:26980-1-AP 1:500) with mouse heart tissue lysate 4000 ug. This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using Connexin 43 antibody (26980-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using Connexin 43 antibody (26980-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26980-1-PBS in a different storage buffer formulation.