

For Research Use Only

# GJA5/Connexin 40 Polyclonal antibody, PBS Only

Catalog Number: 26602-1-PBS



## Basic Information

<b>Catalog Number:</b> 26602-1-PBS	<b>GenBank Accession Number:</b> BC013313	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2702	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36382	
<b>Isotype:</b> IgG	<b>Full Name:</b> gap junction protein, alpha 5, 40kDa	
<b>Immunogen Catalog Number:</b> AG24266	<b>Calculated MW:</b> 40 kDa	

## Applications

**Tested Applications:**  
IHC, IF-P, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Connexin 40 (Cx40), also known as Gap junction alpha 5 protein (GJA5), 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. Four connexins (Cxs) are expressed in the cardiovascular system (Cx37, Cx40, Cx43, and Cx45) and are involved in the development of the cardiovascular system (PMID: 37331352; PMID: 17922338).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

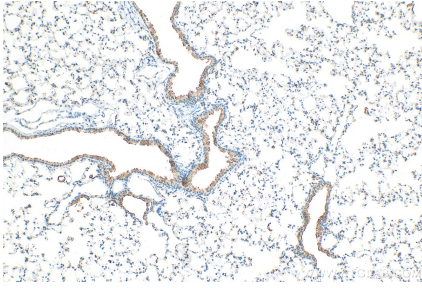
For technical support and original validation data for this product please contact:

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

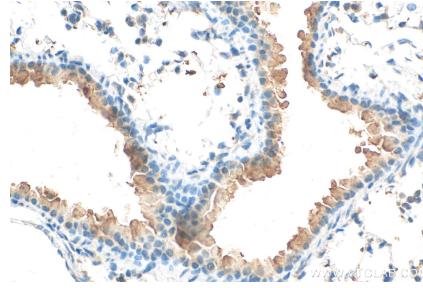
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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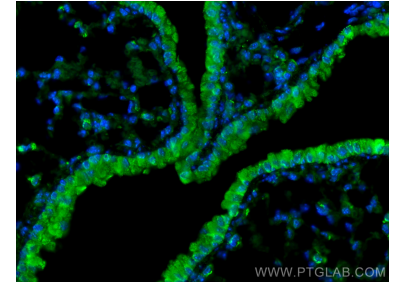
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 26602-1-AP (GJA5/Connexin 40 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26602-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 26602-1-AP (Connexin 40 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 26602-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using GJA5/Connexin 40 antibody (26602-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated 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 26602-1-PBS in a different storage buffer formulation.