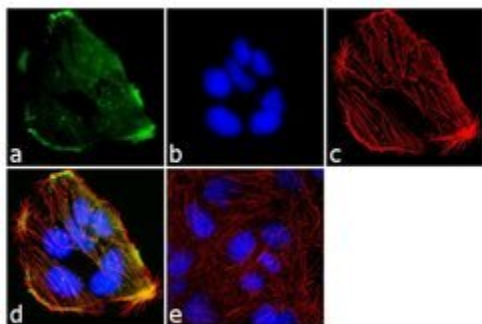


# Pannexin 2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Pig, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from an internal region of human, mouse, and rat pannexin 2, which is identical to predicted bovine and dog sequence
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533519

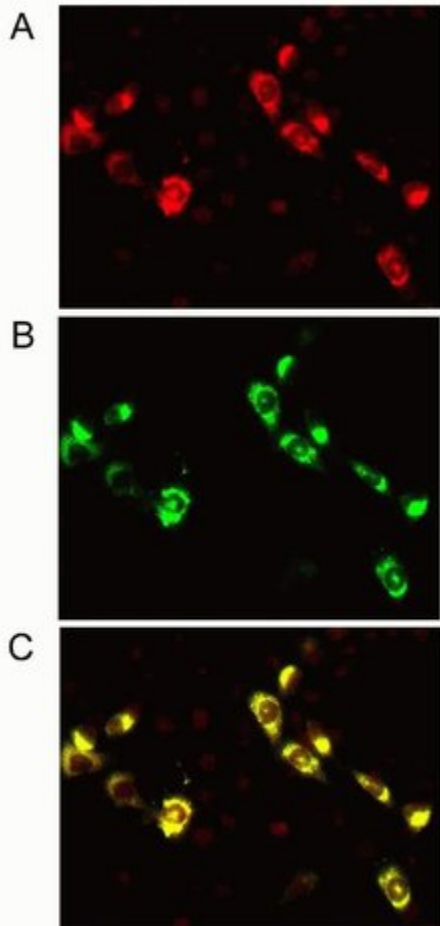
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	2-3 µg/mL	1 Publication
Flow Cytometry (Flow)	-	1 Publication

## Product Images For Pannexin 2 Polyclonal Antibody



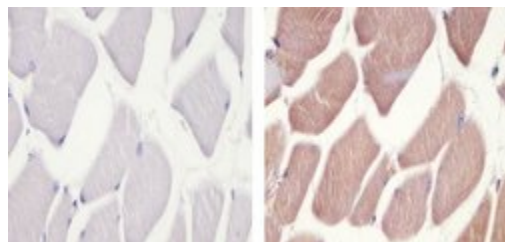
### Pannexin 2 Antibody (42-2900) in ICC/IF

Immunofluorescence analysis of Pannexin 2 was done on 90% confluent log phase Caco2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Pannexin 2 Rabbit Polyclonal Antibody (Product # 42-2900) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d is a merged image showing membranous localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.



### Pannexin 2 Antibody (42-2900) in ICC/IF

Indirect immunofluorescence staining of GFP-pannexin-2-transfected C6 cells using (A) Zymed (R) Rb anti-Pannexin 2 (Mid) (Product # 42-2900). GFP fluorescence is shown in (B), and the images have been merged in (C). Image courtesy of James Nagy, Ph.D., University of Manitoba, Canada.



### Pannexin 2 Antibody (42-2900) in IHC (P)

Immunohistochemistry analysis of Pannexin 2 showing staining in the cytoplasm of paraffin-embedded mouse skeletal muscle tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with a Anti-Pannexin 2 Polyclonal Antibody (Product # 42-2900) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

[View more figures on thermofisher.com](http://thermofisher.com)

## 4 References

### Western Blot (2)

Channels (Austin, Tex.)

#### Pannexin1 channels act downstream of P2X 7 receptors in ATP-induced murine T-cell death.

"Published figure using Pannexin 2 polyclonal antibody (Product # 42-2900) in Western Blot"

Authors: Shoji KF,Sáez PJ,Harcha PA,Aguila HL,Sáez JC

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2015

Journal of cellular physiology

#### Hypotonic stress causes ATP release and stimulates Na,K-ATPase activity in porcine lens.

Authors: Shahidullah M,Mandal A,Beimgraben C,Delamere NA

**Species**  
Pig

**Dilution**  
Not Cited

**Year**  
2012

### Immunocytochemistry (1)

Journal of cellular physiology

#### Hypotonic stress causes ATP release and stimulates Na,K-ATPase activity in porcine lens.

Authors: Shahidullah M,Mandal A,Beimgraben C,Delamere NA

**Species**  
Pig

**Dilution**  
Not Cited

**Year**  
2012

### Flow Cytometry (1)

Channels (Austin, Tex.)

#### Pannexin1 channels act downstream of P2X 7 receptors in ATP-induced murine T-cell death.

"Published figure using Pannexin 2 polyclonal antibody (Product # 42-2900) in Western Blot"

Authors: Shoji KF,Sáez PJ,Harcha PA,Aguila HL,Sáez JC

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2015

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