

# Phospho-Connexin 43 (Ser368) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Mouse, Rat
Published Species	Dog
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Phosphopeptide corresponding to amino acid residues surrounding the phosphoserine 368 of rat connexin 43
Form	Liquid
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 50% glycerol, 100µg/mL BSA, 0.15M NaCl
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2533845

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunocytochemistry (ICC/IF)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

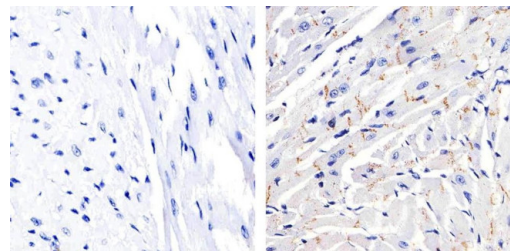
## Product Specific Information

This antibody is predicted to work in Bovine, Canine, Chicken, Guinea Pig, Human, Zebrafish due to the sequence used as antigen being 100% homologous.

Product Images For Phospho-Connexin 43 (Ser368) Polyclonal Antibody

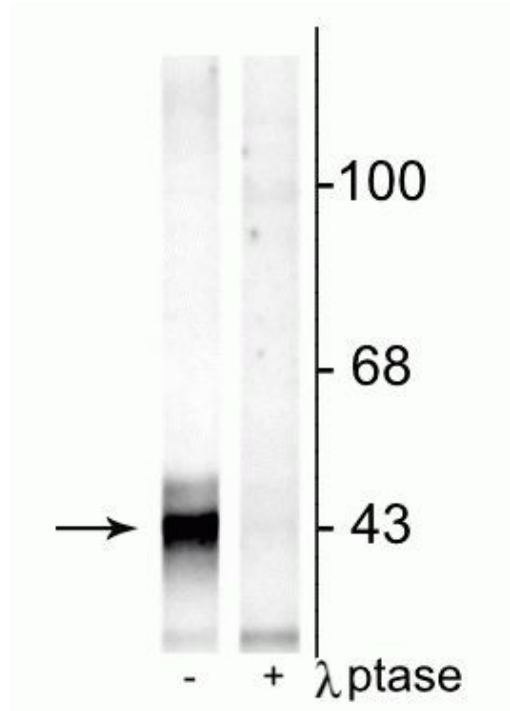
Phospho-Connexin 43 (Ser368) Antibody (48-3000) in IHC (P)

Immunohistochemistry analysis of Phospho-Connexin 43 (pS368) showing staining in the membrane and cytoplasm of paraffin-embedded mouse heart 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% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Phospho-Connexin 43 (pS368) polyclonal antibody (Product # 48-3000) diluted in 3% BSA-PBS at a dilution of 1:50 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.



Phospho-Connexin 43 (Ser368) Antibody (48-3000) in WB

Western blot of Connexin 43 in rat hippocampal lysate showing specific immunolabeling of a ~43 kDa band corresponding to Phospho-Connexin 43 (Ser368) polyclonal antibody (Product # 48-3000) in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (800 units/1 mg protein for 30 min).



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

## 6 References

### Western Blot (4)

#### Biology

#### First Responders to Hyperosmotic Stress in Murine Astrocytes: Connexin 43 Gap Junctions Are Subject to an Immediate Ultrastructural Reorganization.

"Published figure using Phospho-Connexin 43 (Ser368) polyclonal antibody (Product # 48-3000) in Western Blot"

Authors: Beckmann A,Recktenwald J,Ferdinand A,Grißmer A,Meier C

Year  
2021

#### Annals of the New York Academy of Sciences

#### Protein expression profiles in murine ventricles modeling catecholaminergic polymorphic ventricular tachycardia: effects of genotype and sex.

"Published figure using Phospho-Connexin 43 (Ser368) polyclonal antibody (Product # 48-3000) in Western Blot"

Authors: Saadeh K,Acherkouk Z,Fazmin IT,Nantha Kumar N,Salvage SC,Edling CE,Huang CL,Jeevaratnam K

Year  
2020

[View more WB references on thermofisher.com](#)

### Immunocytochemistry (1)

#### Circulation research

#### iPS programmed without c-MYC yield proficient cardiogenesis for functional heart chimerism.

"48-3000 was used in immunocytochemistry to discuss methods to generate induced pluripotent stem cells"

Authors: Martinez-Fernandez A,Nelson TJ,Yamada S,Reyes S,Alekseev AE,Perez-Terzic C,Ikeda Y,Terzic A

Year  
2009

Dilution  
1:200

### Miscellaneous PubMed (1)

#### Cardiovascular research

#### Role of atrial arrhythmia and ventricular response in atrial fibrillation induced atrial remodelling.

"48-3000 was used in PCR to assess the roles of atrial arrhythmia versus high ventricular rate in AF-associated remodeling."

Authors: Guichard JB,Xiong F,Qi XY,L'Heureux N,Hiram R,Xiao J,Naud P,Tardif JC,Da Costa A,Nattel S

Year  
2021

Species  
Dog

### More applications with references on thermofisher.com

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