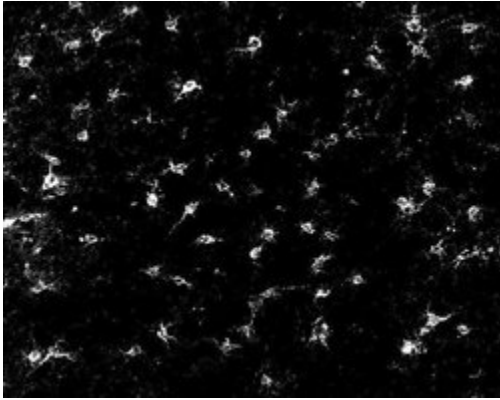


# Connexin 47 Monoclonal Antibody (4A11A2)

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	4A11A2
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the C-terminal region of the mouse Connexin 47 protein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533319

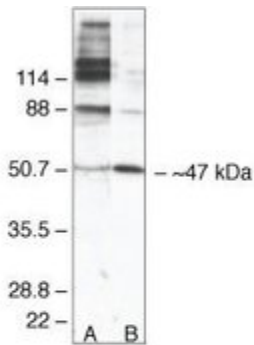
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	4 Publications
Immunohistochemistry (IHC)	Assay-dependent	5 Publications
Immunoprecipitation (IP)	Assay-dependent	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Images For Connexin 47 Monoclonal Antibody (4A11A2)



### Connexin 47 Antibody (37-4500) in IHC

Immunohistochemical staining of oligodendrocytes in mouse brain using Ms anti-Connexin 47 (Product # 37-4500). Image courtesy of James I. Nagy, PhD, University of Manitoba, Canada.



### Connexin 47 Antibody (37-4500) in WB

Western blot analysis of (A) mouse thalamus homogenates and (B) connexin47 cDNA-transfected HeLa cells using Ms anti-Connexin 47 (Product # 37-4500).

Western blot analysis of (A) mouse thalamus homogenates and (B) connexin47 cDNA-transfected HeLa cells using Ms anti-Connexin 47 (Cat. no. 37-4500).

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

## 11 References

### Western Blot (4)

**Glia**  
**Regional oligodendrocytopathy and astrocytopathy precede myelin loss and blood-brain barrier disruption in a murine model of osmotic demyelination syndrome.**  
"Published figure using Connexin 47 monoclonal antibody (Product # 37-4500) in Western Blot"  
Authors: Bouchat J, Couturier B, Marneffe C, Gankam-Kengne F, Balau B, De Swert K, Brion JP, Poncelet L, Gilloteaux J, Nicaise C

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2018

**PLoS genetics**  
**Pathologic and phenotypic alterations in a mouse expressing a connexin47 missense mutation that causes Pelizaeus-Merzbacher-like disease in humans.**  
Authors: Tress O, Maglione M, Zlomuzica A, May D, Dicke N, Degen J, Dere E, Kettenmann H, Hartmann D, Willecke K

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2011

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

### Immunohistochemistry (5)

**Glia**  
**Disruption of oligodendrocyte gap junctions in experimental autoimmune encephalomyelitis.**  
Authors: Markoullis K, Sargiannidou I, Gardner C, Hadjisavvas A, Reynolds R, Kleopa KA

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2012

**PLoS genetics**  
**Pathologic and phenotypic alterations in a mouse expressing a connexin47 missense mutation that causes Pelizaeus-Merzbacher-like disease in humans.**  
Authors: Tress O, Maglione M, Zlomuzica A, May D, Dicke N, Degen J, Dere E, Kettenmann H, Hartmann D, Willecke K

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2011

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

### More applications with references on thermofisher.com

**IP (1)**   **Misc (1)**

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