

Connexin 36 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Rodent, Fish, Mouse, Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Peptide corresponding to a sequence from the C-terminus of rat and mouse Connexin 36 (Cx36). This sequence differs from the human Cx36 protein by a single amino acid
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_2533913

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.1-1.0 µg/mL	-
Immunoprecipitation (IP)	2-3 µg	2 Publications
Western Blot (WB)	1.0 µg/mL	15 Publications
Immunocytochemistry (ICC)	-	4 Publications
Immunofluorescence (IF)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	10 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

40 References

Immunohistochemistry (10)

Frontiers in molecular neuroscience

Differential Distribution of Retinal Ca²⁺/Calmodulin-Dependent Kinase II (CaMKII) Isoforms Indicates CaMKII- and - as Specific Elements of Electrical Synapses Made of Connexin36 (Cx36).

"51-6300 was used in Immunohistochemistry to identify Ca²⁺/calmodulin-dependent protein kinase II (CaMKII)- and - as connexin36-specific regulators in the mouse retina with CaMKII- regulating the primary rod pathway."

Authors: Tetenborg S, Yadav SC, Hormuzdi SG, Monyer H, Janssen-Bienhold U, Dedek K

Species
Mouse

Dilution
1:500

Year
2019

FEBS letters

Functional alterations in gut contractility after connexin36 ablation and evidence for gap junctions forming electrical synapses between nitregeric enteric neurons.

"51-6300 was used in immunohistochemistry to investigate gap junction-mediated communication between nitregeric enteric neurons"

Authors: Nagy JI, Urena-Ramirez V, Ghia JE

Species
Mouse

Dilution
1-2 ug/ml

Year
2014

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

Immunocytochemistry (4)

PloS one

Neuroprotective effects of leonurine against oxygen-glucose deprivation by targeting Cx36/CaMKII in PC12 cells.

"51-6300 was used in Immunocytochemistry-immunofluorescence to investigate the neuroprotective effects of leonurine on hypoxia ischaemia injury, and examine the underlying mechanisms."

Authors: Li J, Zhang S, Liu X, Han D, Xu J, Ma Y

Species
Rat

Dilution
1:500

Year
2019

The European journal of neuroscience

Connexin36 in gap junctions forming electrical synapses between motoneurons in sexually dimorphic motor nuclei in spinal cord of rat and mouse.

"51-6300 was used in immunocytochemistry to identify gap junction-mediated communication between motoneurons in sexually dimorphic motor nuclei in spinal cord of rat and mouse"

Authors: Bautista W, Nagy JI

Species
Mouse

Dilution
Not Cited

Year
2014

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

More applications with references on thermofisher.com

WB (15)

Misc (3)

IHC (F) (2)

IF (4)

IP (2)

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