

GJA10 Polyclonal Antibody

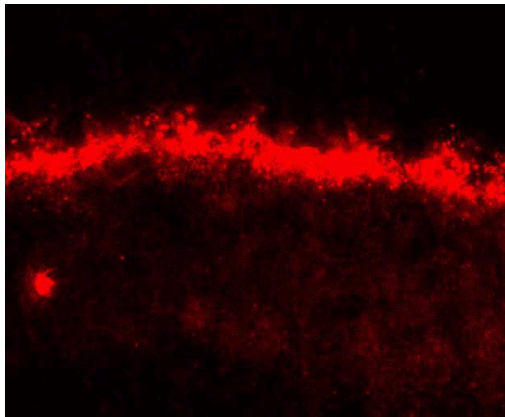
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Rabbit, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from an internal region of the mouse, rat, Chinese hamster and golden hamster connexin 57 (Cx57) proteins
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_2533469

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	-	2 Publications
Immunomicroscopy (IM)	-	1 Publication

Product Specific Information

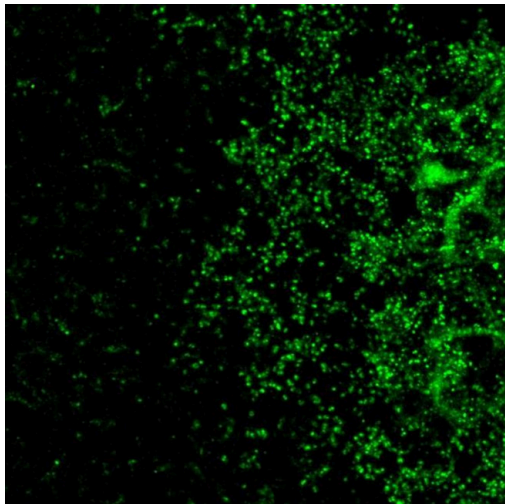
40-5000 was used in immunofluorescence analysis of Connexin57 (Cx57) on sections of adult mouse retina.

Product Images For GJA10 Polyclonal Antibody



GJA10 Antibody (40-5000) in IHC (F)

Immunofluorescent staining of frozen mouse retina using Zymed Rb anti-Connexin 57 (Mid) (Product # 40-5000). Image courtesy of James I. Nagy, PhD, University of Manitoba, Canada.



GJA10 Antibody (40-5000) in IHC

Immunofluorescence analysis of Connexin57 (Cx57) was performed on sections of adult mouse retina. Tissue sections on slides were probed for 24 h at 4°C in a humidified chamber with rabbit polyclonal anti-Cx57 (Product # 40-5000) at an antibody concentration of 1-2 µg/mL diluted in 50 mM Tris-HCl, pH 7.4, containing 1.5% NaCl, 0.3% Triton X-100 (TBST) and 4% normal goat serum. After overnight incubation, sections were washed extensively for 1 h in TBST, and detection of primary antibody was performed for 1.5 h at room temperature with AlexaFluor-488-conjugated donkey anti-rabbit diluted 1:600 in TBST. Sections were then washed in TBST, then in TBS (without triton) and then coverslipped with anti-fade medium. Images were taken on a Zeiss 710 confocal microscope at x40 objective magnification, and show immunofluorescence labelling of Cx57 localized at gap junctions between processes of horizontal cells in the outer plexiform layer of adult mouse retina. Data courtesy of Dr. James Nagy's lab.

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Western Blot (2)

<p>The Journal of comparative neurology</p> <p>Connexin 57 is expressed by the axon terminal network of B-type horizontal cells in the rabbit retina.</p> <p>"Published figure using GJA10 polyclonal antibody (Product # 40-5000) in Immunohistochemistry"</p> <p>Authors: Pan F,Keung J,Kim IB,Snuggs MB,Mills SL,O'Brien J,Massey SC</p>	<p>Year</p> <p>2012</p> <p>Species</p> <p>Human</p> <p>Rabbit</p>
<p>International journal of developmental neuroscience : the official journal of the International Society for Developmental Neuroscience</p> <p>Connexin-mediated communication controls cell proliferation and is essential in retinal histogenesis.</p> <p>Authors: Kihara AH,Santos TO,Osuna-Melo EJ,Paschon V,Vidal KS,Akamine PS,Castro LM,Resende RR,Hamassaki DE,Britto LR</p>	<p>Year</p> <p>2010</p> <p>Species</p> <p>Mouse</p>

Immunohistochemistry (2)

<p>The Journal of comparative neurology</p> <p>Connexin 57 is expressed by the axon terminal network of B-type horizontal cells in the rabbit retina.</p> <p>"Published figure using GJA10 polyclonal antibody (Product # 40-5000) in Immunohistochemistry"</p> <p>Authors: Pan F,Keung J,Kim IB,Snuggs MB,Mills SL,O'Brien J,Massey SC</p>	<p>Year</p> <p>2012</p> <p>Species</p> <p>Human</p> <p>Rabbit</p>
<p>Neuroscience</p> <p>Spatial relationships of connexin36, connexin57 and zonula occludens-1 in the outer plexiform layer of mouse retina.</p> <p>"40-5000 was used in immunohistochemistry and western blot to investigate connexin57 expression in the mouse retina"</p> <p>Authors: Ciolofan C,Lynn BD,Wellershaus K,Willecke K,Nagy JI</p>	<p>Year</p> <p>2007</p> <p>Dilution</p> <p>2 µg/ml</p>

More applications with references on thermofisher.com

- ICC/IF (2)
- IM (1)

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