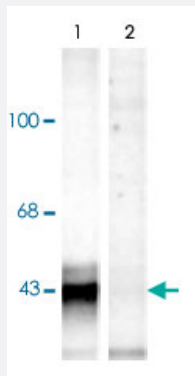


Gja1 (phospho S368) polyclonal antibody

Catalog # PAB9652 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat hippocampal lysate showing specific immunolabeling of the ~43k Gja1 phosphorylated at Ser368 (Control, lane 1). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase, lane 2). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the Gja1 (phospho S368) polyclonal antibody (Cat # PAB9652). The immunolabeling of Gja1 is completely eliminated by treatment with lambda-Ptase.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Gja1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S368 of rat Gja1.
Host	Rabbit
Theoretical MW (kDa)	43
Reactivity	Bovine, Chicken, Dog, Guinea pig, Human, Mouse, Rat, Zebra fish
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

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Gene Info — Gja1

Entrez GeneID	24392
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Protein Accession#	P08050
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Gene Name	Gja1
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Gene Alias	Cx43, MGC93610
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Gene Description	gap junction protein, alpha 1
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Gene Ontology	Hyperlink
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Gene Summary	O
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Other Designations	connexin 43 gap junction membrane channel protein alpha 1
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Publication Reference

- [Preserving protein profiles in tissue samples: Differing outcomes with and without heat stabilization.](#)

Ahmed MM, Gardiner KJ.

Journal of Neuroscience Methods 2011 Mar; 196(1):99.

Application: WB, Mouse, Brain

- [Regulation of purified and reconstituted connexin 43 hemichannels by protein kinase C-mediated phosphorylation of Serine 368.](#)

Bao X, Reuss L, Altenberg GA.

The Journal of Biological Chemistry 2004 May; 279(19):20058.

- [Mechanism of regulation of the gap junction protein connexin 43 by protein kinase C-mediated phosphorylation.](#)

Bao X, Altenberg GA, Reuss L.

American Journal of Physiology. Cell Physiology 2004 Mar; 286(3):C647.

- [Identification and functional analysis of novel phosphorylation sites in Cx43 in rat primary granulosa cells.](#)

Yogo K, Ogawa T, Akiyama M, Ishida N, Takeya T.

FEBS Letters 2002 Nov; 531(2):132.