10320 Camino Santa Fe, Suite G
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Anti-Connexin 43 (Ser368) Antibody

Our Anti-Connexin 43 (Ser368) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutio

Catalog # AN1346

Specification

Anti-Connexin 43 (Ser368) Antibody - Product Information

Primary Accession	P08050
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	43031

Anti-Connexin 43 (Ser368) Antibody - Additional Information

Gene ID	24392

Other Names

Connexin 43 antibody, Connexin-43 antibody, Cx 43 antibody, Cx43 antibody, CXA1_HUMAN antibody, DFNB38 antibody, Gap junction 43 kDa heart protein antibody, Gap junction alpha-1 protein antibody, Gap junction protein alpha 1 43kDa (connexin 43) antibody, Gap junction protein alpha 1 43kDa antibody, Gap junction protein alpha like antibody, GJA 1 antibody, Gja1 antibody, GJAL antibody, ODD antibody, ODDD antibody, ODOD antibody, SDTY3 antibody

Target/Specificity

Gap junctional intercellular communication is thought to play a key role in development and may also be involved in epilepsy (Aronica et al., 2001). Connexin43 forms gap-junctional channels and regulates the permeability of these gap junctions to small organic molecules. Permeability of connexin43 is known to be regulated by phosphorylation at Ser-368 by protein kinase C (Yogo et al., 2002; Bao et al., 2004a). Phosphorylation of Ser-368 by PKC induces a conformational change of connexin43 that results in a decrease in gap junction permeability (Bao et al., 2004b).

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Connexin 43 (Ser368) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

Anti-Connexin 43 (Ser368) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

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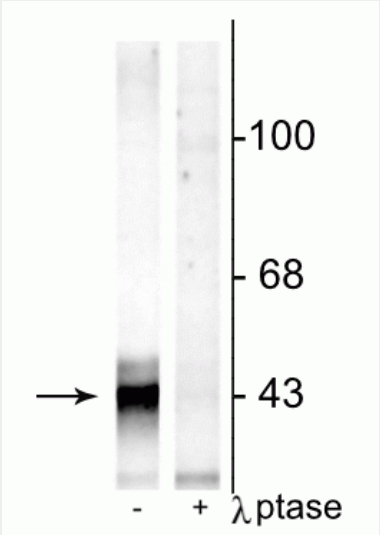
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Connexin 43 (Ser368) Antibody - Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the ~43 kDa connexin43 phosphorylated at Ser368 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ-Ptase, 800 units/1mg protein for 30 min).

Anti-Connexin 43 (Ser368) Antibody - Background

Gap junctional intercellular communication is thought to play a key role in development and may also be involved in epilepsy (Aronica et al., 2001). Connexin43 forms gap-junctional channels and regulates the permeability of these gap junctions to small organic molecules. Permeability of connexin43 is known to be regulated by phosphorylation at Ser-368 by protein kinase C (Yogo et al., 2002; Bao et al., 2004a). Phosphorylation of Ser-368 by PKC induces a conformational change of connexin43 that results in a decrease in gap junction permeability (Bao et al., 2004b).