

**bs-3098R****[ Primary Antibody ]****phospho-Connexin 43 (Ser368) Rabbit pAb****Bioss**  
**ANTIBODIES**

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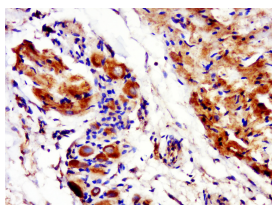
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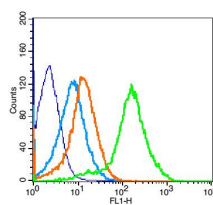
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1µg /test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 2697	<b>SWISS:</b> P17302	
<b>Target:</b> Connexin 43 (Ser368)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human Connexin 43 around the phosphorylation site of Ser368: RA(p-S)SR.		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Cow, Dog, Monkey)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 43 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Background:</b> This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia and heart malformations. [provided by RefSeq].		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-Connexin 43) Polyclonal Antibody, Unconjugated (bs-3098R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: Mouse Kidney (fixed with 2% paraformaldehyde for 10 min at 37°C). Primary Antibody: Rabbit Anti-Phospho-Connexin 43 (Ser368) antibody (bs-3098R, Green); Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-FITC (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

**— SELECTED CITATIONS —**

- **[IF=2.873]** Yu X et al. Selective ablation of ligament of Marshall inhibits ventricular arrhythmias during acute myocardial infarction: Possible mechanisms. (2018) J Cardiovasc Electrophysiol. WB ;Dog. 30516302
- **[IF=3.3]** Sui Xiaohui. et al. Effects and mechanisms of puerarin against neuroblastoma: insights from bioinformatics and in vitro experiments. BMC COMPLEMENT MED. 2024 Dec;24(1):1-14 WB ;Human. 38982456