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35-1239: Polyclonal Antibody to Connexin 43 (phospho-Ser367)

Clonality: Polyclonal Application: WB,IHC

Reactivity: Human, Mouse, Rat

Gene : GJA1
Gene ID : 2697
Uniprot ID : P17302
Format : Purified

Alternative Name: CX43, CXA1, CXN-43, GJA1

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 368(R-A-S(p)-S-R) derived from

Human Connexin 43.

Description

One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. May play a critical role in the physiology of hearing by participating in the recycling of potassium to the cochlear endolymph. Joell L. Solan1, et al. (2003) Cell Science 116: 2203-2211 Satoshi Matsushita, et al. (2006) Histochemistry and Cytochemistry 54 (3): 343-353, Xiaoyong Bao, et al. (2004) Cell Physiol 286: C647-C654 W. E. I. Li, et al.(1998) European Journal of Neuroscience 10: 2444

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 43kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

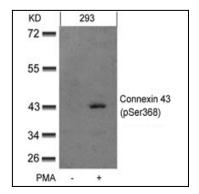


Figure 1: Western blot analysis of extracts from 293 cells untreated or treated with PMA using Connexin 43(phospho-Ser368) Antibody 35-1239 .



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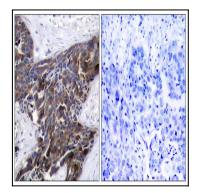


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Connexin 43(Phospho-Ser367) Antibody 35-1239 (left) or the same antibody preincubated with blocking peptide(right).