Connexin 43 (phospho-Ser368) Antibody

Catalog No: #11258

Package Size: #11258-1 50ul #11258-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Connexin 43 (phospho-Ser368) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Connexin43 only when phosphorylated at serine 368.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 368 (R-A-S(p)-S-R) derived from Human Connexin 43.
Target Name	Connexin 43
Modification	Phospho
Other Names	CX43; CXA1; CXN-43; GJA1;
Accession No.	Swiss-Prot: P17302NCBI Protein: NP_000156.1
Concentration	1.0mg/ml
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

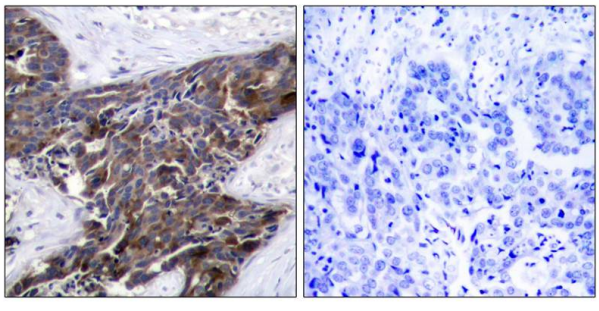
Application Details

Predicted MW: 43kd

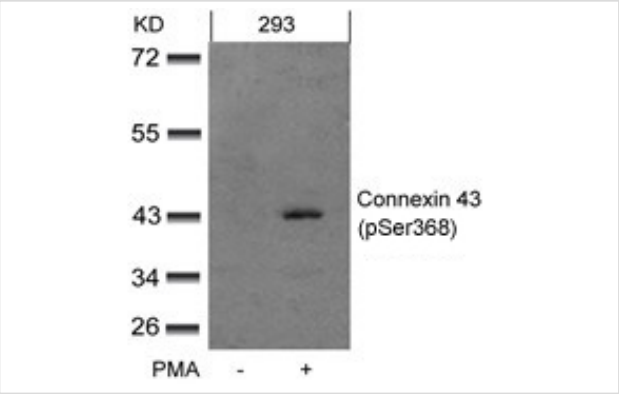
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Connexin 43 (Phospho-Ser368) Antibody #11258 (left) or the same antibody preincubated with blocking peptide (right).



Western blot analysis of extracts from 293 cells untreated or treated with PMA using Connexin 43 (phospho-Ser368) Antibody #11258.

Background

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

Published Papers

el at., A novel role of SIRT2 in regulating gap junction communications via connexin-43 in bovine cumulus-oocyte complexes.InJ Cell Physiol on 2020 Feb 10. by Xu D, He H et al..PMID:32039484

, , (2020)

PMID:32039484

el at., Electric stimulus opens intercellular spaces in skin.In J Biol Chem.On 2014 Jan 24 by Hama S, Kimura Y et al..PMID:24318878, , (2014)

PMID:24318878

Note: This product is for in vitro research use only and is not intended for use in humans or animals.