

## Connexin 43(phospho-Ser368) Antibody

Catalog No: #AB11258



Package Size: #AB11258-1 50ul #AB11258-2 100ul #AB11258-4 25ul

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## 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 chromatography 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-Ser368
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 Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.

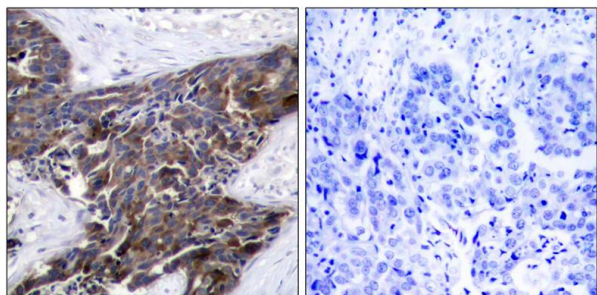
## Application Details

Predicted MW: 43kd

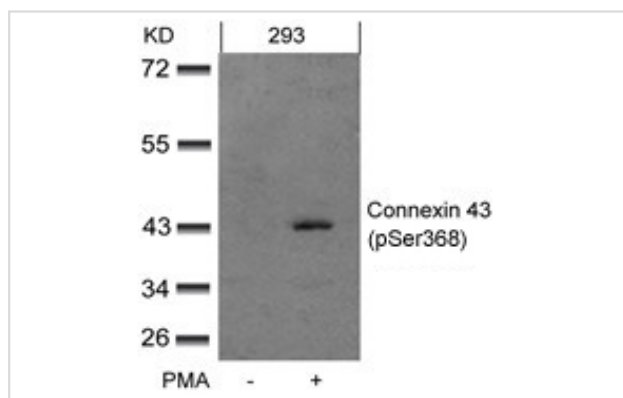
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Connexin 43(Phospho-Ser368) Antibody #AB11258(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 #AB11258.

## 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. Solan<sup>1</sup>, 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

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