

Connexin 43 Antibody

Catalog No: #21250



Package Size: #21250-1 50ul #21250-2 100ul

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

Description

Product Name	Connexin 43 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total Connexin43 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 366~370 (R-A-S-S-R) derived from Human Connexin 43.
Conjugates	Unconjugated
Target Name	Connexin 43
Other Names	CX43; CXA1; CXN-43; Connexin 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 ²⁺ and Ca ²⁺), 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.

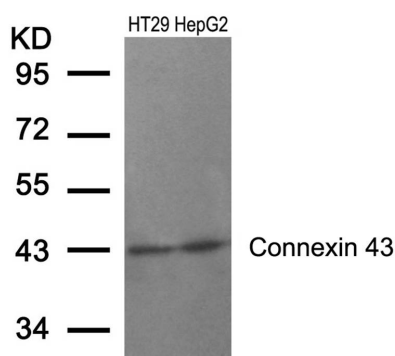
Application Details

Predicted MW: 43kd

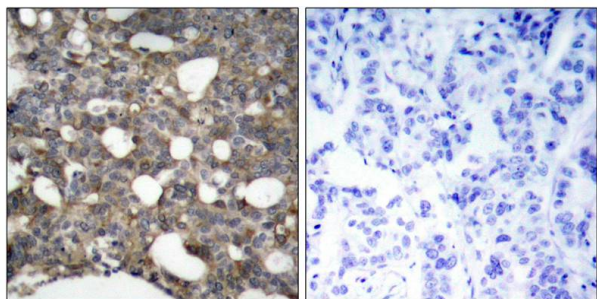
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HT29 and HepG2 cells using Connexin 43 (Ab-368) Antibody #21250.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Connexin 43 (Ab-368) Antibody #21250(left) or the same antibody preincubated with blocking peptide(right).

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., The engineered thymidylate kinase (TMPK)/AZT enzyme-prodrug axis offers efficient bystander cell killing for suicide gene therapy of cancer. In PLoS One on 2013 Oct 23

by Takeya Sato, Anton Neschadim, et al..PMID:24194950, , (2013)

[PMID:24194950](https://pubmed.ncbi.nlm.nih.gov/24194950/)

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