**Product Datasheet**

# Connexin 43 Antibody

Catalog No: #33343

Package Size: #33343-1 50ul #33343-2 100ul

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

## Description

| | |
|---|---|
| Product Name | Connexin 43 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Applications | WB IHC IF |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous levels of total Connexin 43 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Synthesized peptide derived from human Connexin 43. |
| Target Name | Connexin 43 |
| Other Names | CX43; CXA1; CXN-43; GJA1; Gap junction 43 kDa heart protein |
| Accession No. | Swiss-Prot: P17302NCBI Gene ID: 2697 |
| Uniprot | P17302 |
| GeneID | 2697; |
| SDS-PAGE MW | 43kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG 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 |

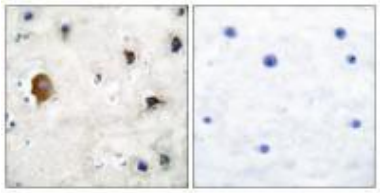
## Application Details

Western blotting: 1:500~1:3000

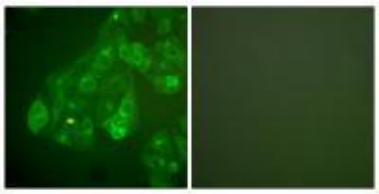
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

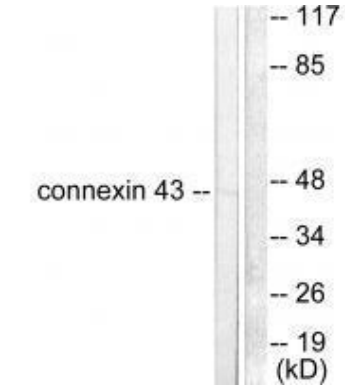
## Images



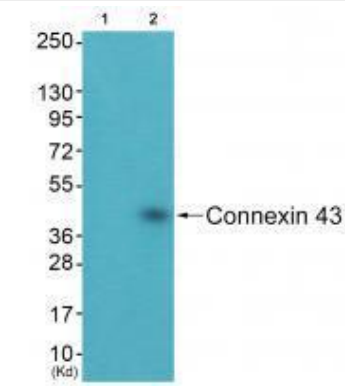
Immunohistochemical analysis of paraffin-embedded human brain tissue using Connexin 43 antibody #33343.



Immunofluorescence analysis of A549 cells, Connexin 43 antibody #33343.




Western blot analysis of extracts from A549 cells, using Connexin 43 antibody #33343.




Western blot analysis of extracts from 3T3 cells (Lane 2), using Connexin 43 antiobdy #33343. The lane on the left is treated with systhesized peptide.

## Background

Gap junction protein that acts as a regulator of bladder capacity. A 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. Negative regulator of bladder functional capacity: acts by enhancing intercellular electrical and chemical transmission, thus sensitizing bladder muscles to cholinergic neural stimuli and causing them to contract By similarity.

Toshihiko Toyofuku, J. Biol. Chem., May 1998; 273: 12725.

Toshihiko Toyofuku, J. Biol. Chem., Jan 1998; 273: 1519.

Masayuki Shimada, Biol Reprod, Apr 2001; 64: 1255.

Merry L. Lindsey, Circulation, Jun 2006; 113: 2919 - 2928.

Note: This product is for in vitro research use only