Connexin 43 (Phospho-Tyr265) Antibody

Catalog No: #11767

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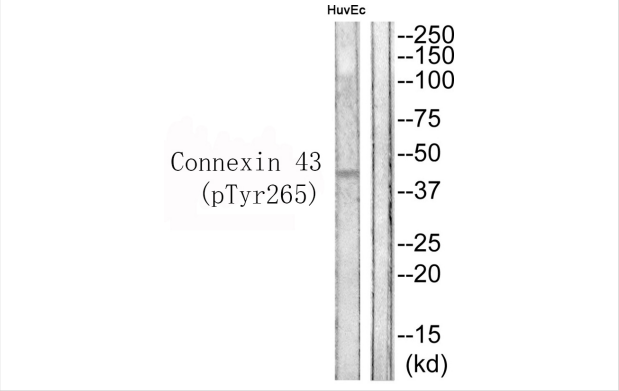
Description

Product Name	Connexin 43 (Phospho-Tyr265) 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
Species Reactivity	Hu
Specificity	Connexin 43 antibody detects endogenous levels of Connexin 43 only when phosphorylated at Tyrosine 265
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Tyrosine 265(Q-K-Y(p)-A-Y) derived from Human Connexin 43.
Target Name	Connexin 43
Modification	Phospho
Other Names	CX43; CXA1; CXN-43; GJA1;
Accession No.	Swiss-Prot#: P17302; NCBI Gene#: 2697; NCBI Protein#: NP_000156.1.
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/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HuvEc cells using Connexin 43 (Phospho-Tyr265) Antibody #11767.The lane on the right is treated with the antigen-specific peptide.

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.

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