

Basic Information

Product Name	Anti-Connexin 43/GJA1 Antibody	
Gene Name	GJA1	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, IHC-F, IF, ICC	
Contents	500 ug/ml antibody with PBS , 0.02% Na ₃ N , 1 mg BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Connexin 43(351-367aa HELQPLAIVDQRPSSRA), identical to the related rat and mouse sequences.	
concentration	500 ug/ml	
Observed MW	43KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunohistochemistry in frozen section IHC-F 1:50-400 Immunocytochemistry in fixed cells (ICC) 1:50-400 Immunofluorescence (IF) 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Connexins 43(Cx43), also called GAP Junction Protein, alpha-1(GJA1). Connexin 43 is a member of the connexin gene family which abundantly expressed in the heart and liver and was mapped to 6q21-q23.2. Connexin43, the major protein of gap junctions in the heart, is targeted by several protein kinases that regulate myocardial cell-cell coupling. Mutations in the connexin43 gap-junction gene, which lead to abnormally regulated cell-cell communication, are associated with viscerotaxial heterotaxia. Cx43 must also play a critical role in the physiology of hearing, presumably by participating in the recycling of potassium to the cochlear endolymph.

Reference

Anti-Connexin 43/GJA1 Antibody被引用在1文献中。

Product datasheet

Anti-Connexin 43/GJA1 Antibody

Catalog Number: **PA1026-1**



antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China

Web: www.boster.com.cn **Phone:** +86 027-67845390 **Fax:** +86 027-67845390 **Email:** boster@boster.com.cn

Selected Validation Data