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Connexin 43 Rabbit pAb

Catalog No.: A11752SP **20 Publications**

Basic Information

Observed MW
43 kDa

Calculated MW
43 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

Background

This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal dysplasia and heart malformations.

Recommended Dilutions

WB	1:1000 - 1:5000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:100 - 1:600
IHC-P	1 500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)

Immunogen Information

Gene ID
2697

Swiss Prot
P17302

Immunogen
This information is considered to be commercially sensitive.

Synonyms
HSS; CMDR; CX43; EKVP; GJAL; ODDD; AVSD3; EKVP3; HLHS1; PPKCA; Connexin 43

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

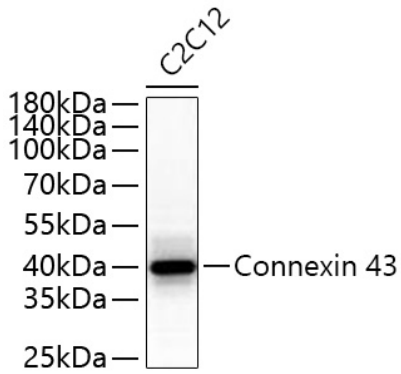
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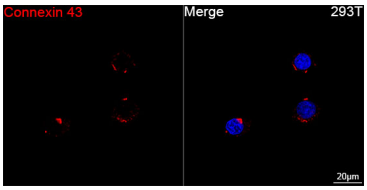
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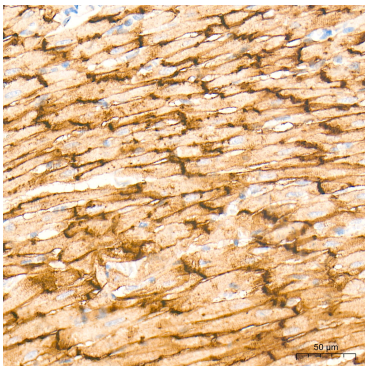
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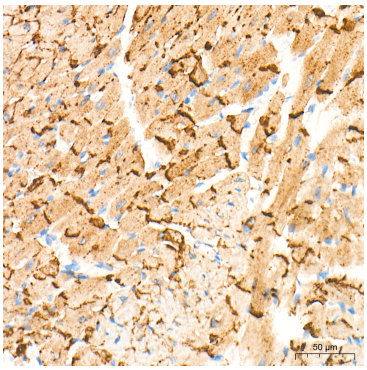
Western blot analysis of lysates from C2C12 cells using Connexin 43 Rabbit pAb (A11752SP) at 1:3000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit (RM00020).|Exposure time: 45 s



Confocal imaging of 293T cells using Connexin 43 Rabbit pAb (A11752SP, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x



Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using Connexin 43 Rabbit pAb (A11752SP) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using Connexin 43 Rabbit pAb (A11752SP) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining