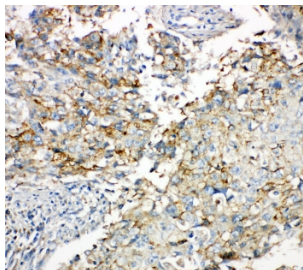


Cx43 Antibody / Connexin 43 (R30201)

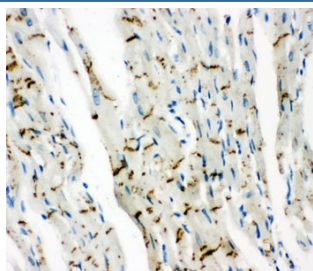
Catalog No.	Formulation	Size
R30201	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

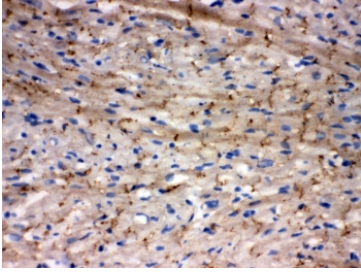
Availability	1-3 business days
Species Reactivity	Human (1), Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P17302
Localization	Cytoplasm, plasma membrane
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml
Limitations	This Cx43 antibody is available for research use only.



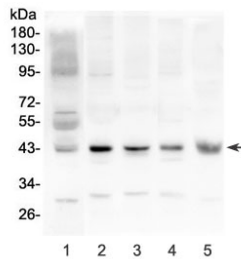
IHC-P: Cx43 antibody testing of human lung cancer tissue



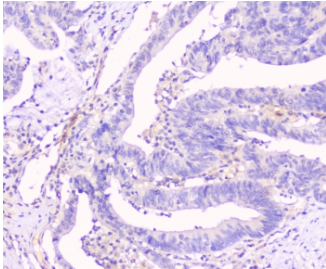
IHC-P: Cx43 antibody testing of rat heart tissue



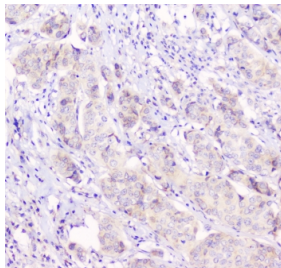
IHC testing of frozen rat heart tissue with Cx43 antibody.



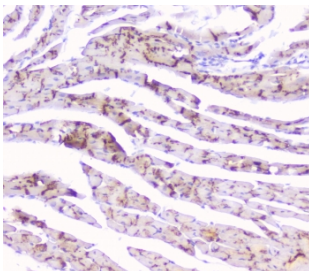
Western blot testing of 1) human placenta, 2) rat brain, 3) rat heart, 4) mouse brain and 5) mouse heart lysate with Cx43 antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.



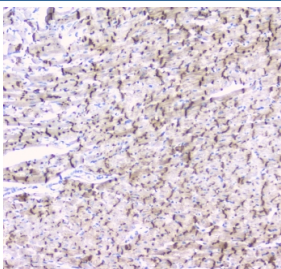
IHC testing of human intestinal cancer tissue with Cx43 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of human breast cancer tissue with Cx43 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of mouse heart tissue with Cx43 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of rat heart tissue with Cx43 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Connexin 43 (Cx43), also called GAP Junction Protein, alpha, is a member of the connexin gene family and is abundantly expressed in the heart and liver. Connexin 43, the major protein of gap junctions in the heart, is targeted by several protein kinases that regulate myocardial cell-cell coupling. Cx43 also plays a critical role in the physiology of hearing, presumably by participating in the recycling of potassium to the cochlear endolymph.

Application Notes

Titration of the Cx43 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. Suitability for western blot testing of human samples is still being determined.

Immunogen

Amino acids 351-367 (HELQPLAIVDQRPSSRA-human) were used as the immunogen for this Cx43 antibody (100% conserved in mouse and rat).

Storage

The lyophilized Cx43 antibody can be stored at 4°C to -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.