

For Research Use Only

CoraLite® Plus 647-conjugated Connexin 43 Recombinant monoclonal antibody

Catalog Number: CL647-80543



Basic Information

Catalog Number: CL647-80543	GenBank Accession Number: BC026329	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2697	CloneNo.: 306
Source: Rabbit	UNIPROT ID: P17302	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: gap junction protein, alpha 1, 43kDa	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG25533	Calculated MW: 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse heart tissue,
Species Specificity: human, mouse, rat, pig	

Background Information

Connexin 43 (Cx43, also known as gap junction alpha-1), a member of connexin family, plays essential roles in gap junction communication that facilitates direct communication among adjacent cells (PMID: 12270943). Usually, six connexin proteins oligomerize into a hemi-channel or connexon during intercellular channel formation (PMID: 12270943). Mutations of Connexin 43 may cause a series of diseases such as oculodentodigital dysplasia (ODDD), syndactyly 3 (SDTY3), hypoplastic left heart syndrome 1 (HLHS1) and so on (PMID: 18161618, 1472936, 1147490).

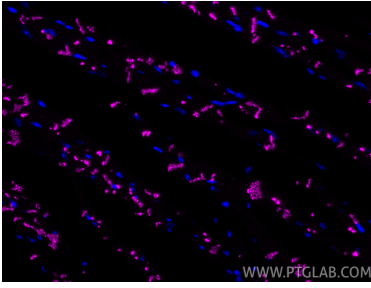
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite® Plus 647 Connexin 43 antibody (CL647-80543, Clone: 306) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).