

For Research Use Only



CoraLite® Plus 488-conjugated CTNNA3 Recombinant monoclonal antibody

Catalog Number: **CL488-87022**

Basic Information

Catalog Number: CL488-87022	GenBank Accession Number: BC030646	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 29119	CloneNo.: 252141F2
Isotype: IgG	UNIPROT ID: Q9UI47	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG5008	Full Name: catenin (cadherin-associated protein), alpha 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 100 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat, canine	

Background Information

Alpha catenin is an essential component of adherens junctions that connects E-cadherin- β -catenin complexes with the actin cytoskeleton. The alpha catenin family of proteins consists of three members, alpha-E-catenin (CTNNA1), alpha-N-catenin (CTNNA2), and alpha-T-catenin (CTNNA3)(PMID: 21598020). CTNNA3 is a cell adhesion molecule. In intercalated discs of the heart, CTNNA3 is a component of a unique hybrid adhering junction, or area composita, that contains proteins associated with both desmosomes and adherens junctions (PMID: 22421363). Mutations in CTNNA3 are associated with arrhythmogenic right ventricular dysplasia, familial 13(PMID: 23136403).

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:

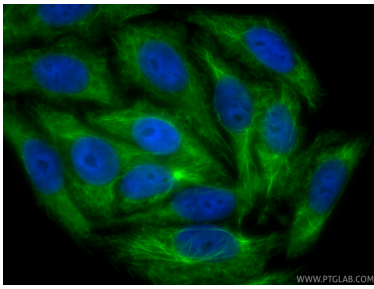
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HepG2 cells using CoraLite® Plus 488
CTNNA3 antibody (CL488-87022, Clone: 252141F2)
at dilution of 1:200.