

CoraLite® Plus 488-conjugated Gamma Catenin Monoclonal antibody

Catalog Number: **CL488-66445**

Basic Information

Catalog Number: CL488-66445	GenBank Accession Number: BC011865	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 3728	CloneNo.: 1A5D10
Source: Mouse	UNIPROT ID: P14923	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG1	Full Name: junction plakoglobin	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG1627	Calculated MW: 82 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : HT-29 cells, T-47D cells
Species Specificity: human, rat, pig, Canine	

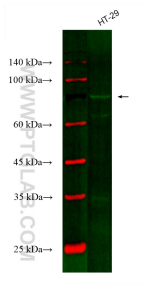
Background Information

Plakoglobin (γ-catenin), a member of the Armadillo proteins, plays important roles in cell adhesion with α-catenin and β-catenin, is involved in Wnt signaling, and is translocated into the nucleus and binds LEF1. Plakoglobin is a major cytoplasmic component of both desmosomes and adherens junctions, and is the only known constituent common to submembranous plaques in both of these structures, which are located at the intercalated disc (ICD) of cardiomyocytes. Plakoglobin links cadherins to the actin cytoskeleton. Mutations in plakoglobin are associated with arrhythmogenic right ventricular dysplasia and Pemphigus vulgaris.

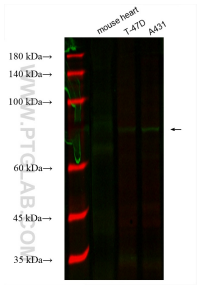
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66445 (Gamma Catenin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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