

For Research Use Only

CoraLite®488-conjugated Beta Catenin Monoclonal antibody



Catalog Number:CL488-66379

Basic Information

Catalog Number: CL488-66379	GenBank Accession Number: NM_001904	Purification Method: Protein G purification
Size: 100UL, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1499	CloneNo.: 1B8A1
Source: Mouse	Full Name: catenin (cadherin-associated protein), beta 1, 88kDa	Recommended Dilutions: IF 1:50-1:100
Isotype: IgG1	Calculated MW: 781 aa, 86 kDa	Excitation/Emission maxima wavelengths: 488 nm/515 nm

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : MCF-7 cells,
Species Specificity: human, mouse, rat, pig	

Background Information

β-Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β-Catenin was originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to α-catenin and the actin cytoskeleton. Besides its essential role in the AJs, β-catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/β-catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of β-catenin activity is associated with multiple diseases including cancers. (PMID: 22617422; 18334222) This antibody is conjugated with CL488(Ex/Em 488 nm/515 nm).

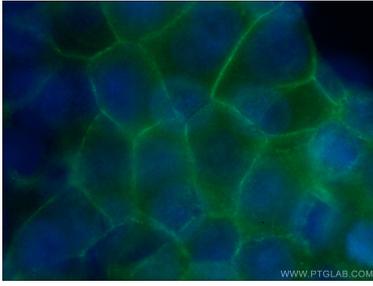
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
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 (-20°C Ethanol) fixed MCF-7 cells using CL488-66379 (beta-Catenin antibody) at dilution of 1:50.