

For Research Use Only

CoraLite® Plus 488-conjugated AMPK Beta 2 Monoclonal antibody



Catalog Number:CL488-66579

Basic Information

Catalog Number: CL488-66579	GenBank Accession Number: BC053610	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5565	CloneNo.: 2D5C1
Source: Mouse	UNIPROT ID: O43741	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: protein kinase, AMP-activated, beta 2 non-catalytic subunit	Excitation/Emission maxima wavelenghts: 493 nm / 522 nm
Immunogen Catalog Number: AG5806	Calculated MW: 30 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HeLa cells,
Species Specificity: Human, mouse, rat	

Background Information

AMPK beta 2 is a regulatory subunit of the AMP-activated protein kinase (AMPK), which is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. AMPK beta 2 may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles.

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

For technical support and original validation data for this product please contact:

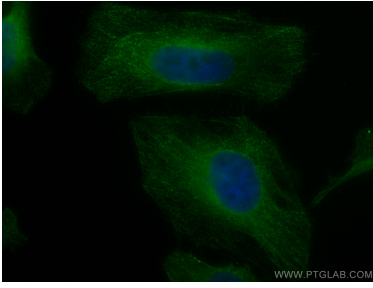
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 AMPK Beta 2 antibody (CL488-66579, Clone: 2D5C1) at dilution of 1:200.