

For Research Use Only

CoraLite® Plus 488-conjugated AMPK Alpha Monoclonal antibody



Catalog Number: CL488-66536

Featured Product

1 Publications

Basic Information

Catalog Number:

CL488-66536

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24744

GenBank Accession Number:

BC012622

GeneID (NCBI):

5562

UNIPROT ID:

Q13131

Full Name:

protein kinase, AMP-activated, alpha
1 catalytic subunit

Calculated MW:

63 kDa

Observed MW:

64 kDa

Purification Method:

Protein G purification

CloneNo.:

1H8E1

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Cited Applications:

IF

Species Specificity:

Human, Rat, Mouse

Cited Species:

mouse

Positive Controls:

IF : human breast cancer tissue,

Background Information

The mammalian 5-prime-AMP-activated protein kinase (AMPK) appears to play a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. PRKAA1 is also named as AMPK1, ACACA kinase, HMGCR kinase. It is a mammalian homologue of sucrose non-fermenting protein kinase (SNF-1), which belongs to a serine/threonine protein kinase family. It has 2 isoforms with molecular mass of 63-66 kDa produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Liping Xie	36261001	Cell Rep	IF

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:

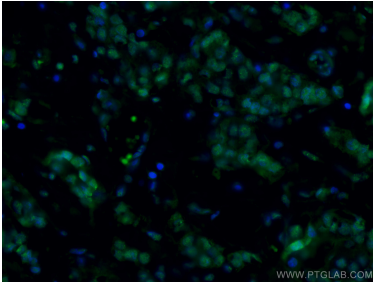
T: 4006900926

E: Proteintech-CN@ptglab.com

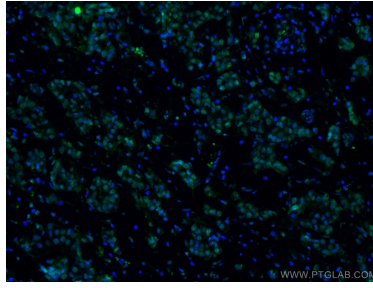
W: ptgcn.com

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 human breast cancer tissue using CL488-66536 (AMPK alpha antibody) at dilution of 1:100.



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