

For Research Use Only

CoraLite® Plus 488-conjugated AMPK Alpha Recombinant monoclonal antibody

Catalog Number: CL488-80209-5



Basic Information

Catalog Number: CL488-80209-5	GenBank Accession Number: BC012622	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5562	CloneNo.: 4N5
Source: Rabbit	UNIPROT ID: Q13131	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: protein kinase, AMP-activated, alpha 1 catalytic subunit	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG1367	Calculated MW: 63 kDa	
	Observed MW: 64 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: rat brain tissue,
Species Specificity: human, mouse, rat	

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. 80209-5-RR can recognize both AMPK Alpha 1 and AMPK Alpha 2.

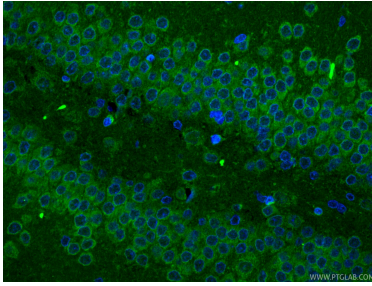
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.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 paraffin-embedded rat brain tissue using CoraLite® Plus 488 AMPK Alpha antibody (CL488-80209-5, Clone: 4N5) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).