

For Research Use Only

CoraLite® Plus 488-conjugated ATG3 Polyclonal antibody



Catalog Number: CL488-11262

Basic Information

Catalog Number: CL488-11262	GenBank Accession Number: BC024221	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 64422	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NT62	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: ATG3 autophagy related 3 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG1785	Calculated MW: 36 kDa	
	Observed MW: 36-40 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HEK-293 cells,
Species Specificity: human, mouse, rat	

Background Information

Autophagy is a lysosome-dependent conserved catabolic process in response to various stresses, such as oxidative stress and ischemia, for the degradation and recycling of aged or dysfunctional intracellular components and damaged organelles. A large group of autophagy-related genes (ATGs) have been identified as essential drivers in different stages of autophagy. Autophagy-related 3 (ATG3), one of the autophagy-related gene family members, serves as an E2-like enzyme contributing to the conjugation of microtubule-associated protein light chain 3 (LC3) to lipid phosphatidylethanolamine (PE). ATG3 plays a significant role in the regulation of autophagy, viability, and death.

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

*** 20ul sizes contain 0.1% BSA

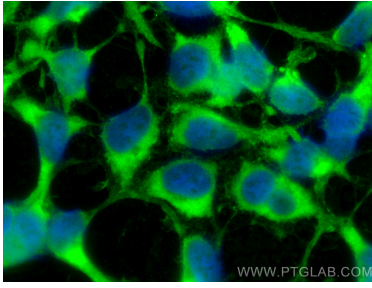
For technical support and original validation data for this product please contact:

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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 (-20°C Ethanol) fixed HEK-293 cells using CoraLite® Plus 488 ATG3 antibody (CL488-11262) at dilution of 1:200.