

For Research Use Only

CoraLite® Plus 488-conjugated ATG16L1 Polyclonal antibody



Catalog Number: CL488-29445

Basic Information

Catalog Number:

CL488-29445

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31318

GenBank Accession Number:

BC000061

GeneID (NCBI):

55054

UNIPROT ID:

Q676U5

Full Name:

ATG16 autophagy related 16-like 1 (S.

cerevisiae)

Calculated MW:

607 aa, 68 kDa

Observed MW:

68-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse, rat

Positive Controls:

IF/ICC : HEK-293 cells,

Background Information

Human ATG16L1 is a 607 amino acid protein (~68 kDa) comprising three major domains: the N - terminal ATG5 binding domain (ATG5 - BD), the central coiled - coil domain (CCD) and a predicted C - terminal WD40 - domain. ATG16L1 α and β (Atg16L1 α , 63 kDa; and Atg16L1 β , 71 kDa) are the major isoforms expressed in intestinal epithelium and macrophages, and all isoforms encode exon 9, which contains Thr 300. Atg16L1 mediates the cellular degradative process of autophagy and is considered a critical regulator of inflammation based on its genetic association with inflammatory bowel disease. ATG16L1 has been implicated in Crohn's disease. (PMID: 24553140, PMID: 22740627, PMID: 28685931)

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:

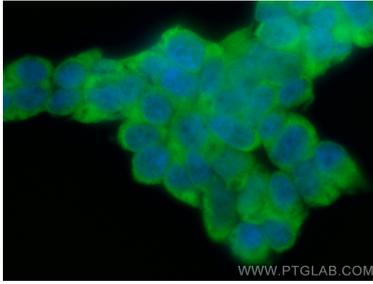
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite® Plus 488 ATG16L1 antibody (CL488-29445) at dilution of 1:200.