

For Research Use Only

CoraLite® Plus 488-conjugated BAG6 Monoclonal antibody



Catalog Number: CL488-66661

Featured Product

Basic Information

Catalog Number:

CL488-66661

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24525

GenBank Accession Number:

BC003133

GeneID (NCBI):

7917

UNIPROT ID:

P46379

Full Name:

HLA-B associated transcript 3

Calculated MW:

119 kDa

Observed MW:

150-160 kDa

Purification Method:

Protein G purification

CloneNo.:

1B8D3

Recommended Dilutions:

WB 1:1000-1:4000

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

WB: HeLa cells, LNCaP cells, HepG2 cells, NIH/3T3
cells

Background Information

BAT3 also known as Scythe or BAG6, is a nuclear protein implicated in the control of apoptosis and natural killer (NK) cell-dendritic cell (DC) interaction. BAT3 was first discovered as a member of a group of genes located within the class III region of the human major histocompatibility complex on chromosome 6, and has been extensively studied for its role in regulating apoptosis under various stress conditions such as DNA damage and endoplasmic reticulum-related stress. BAT3 has been shown to be required for p53 acetylation, which is critical for the enhancement of p53 transcriptional activity in response to DNA damage. In addition, BAT3 is involved in the regulation of development and reproduction of mammals by acting as a co-chaperone of the heat shock protein HSP70.

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:

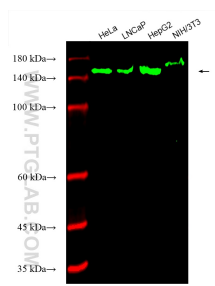
T: 4006900926

E: Proteintech-CN@ptglab.com

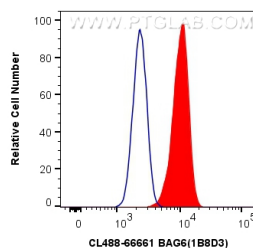
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66661 (BAG6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human BAG6 (CL488-66661, Clone:1B8D3) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).