

# CoraLite® Plus 488-conjugated BAG3 Recombinant monoclonal antibody

Catalog Number: CL488-83779-4

## Basic Information

Catalog Number: CL488-83779-4	GenBank Accession Number: BC006418	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 9531	CloneNo.: 240860F12
Isotype: IgG	UNIPROT ID: O95817	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG0956	Full Name: BCL2-associated athanogene 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 61 kDa	
	Observed MW: 74-80 kDa	

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

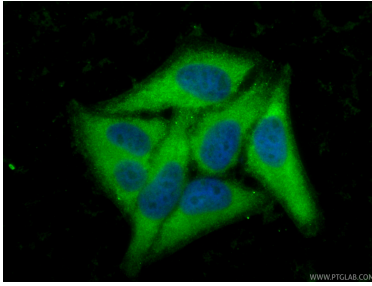
## Background Information

BAG3 (Bcl2-associated athanogene 3) belongs to the BAG protein family, the co-chaperone that binds to Hsc70/Hsp70 through the BAG domain and modulates their activity in polypeptide folding. BAG3 contains also a WW domain and a proline-rich (PXXP) repeat, that mediate binding to partners different from Hsp70. Through interacting with different molecular partner, BAG3 influences several cell processes, such as apoptosis, autophagy and cell motility. BAG3 protein has been reported to sustain cell survival, resistance to therapy, and/or motility and metastatization in several tumor types, thus being identified as a potential target for anticancer therapies. In addition, defects in BAG3 are the cause of some myopathy. BAG3 normally migrates around 74-80 kDa; a slightly different molecular weight or a doublet form can be observed in some cell types and/or following cell exposure to stressors. A synaptosome associated form of 40 kDa has recently been described.

## 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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Coralite® Plus 488 BAG3 antibody (CL488-83779-4, Clone: 240860F12 ) at dilution of 1:200.