For Research Use Only

BAG3 Monoclonal antibody

Catalog Number:68076-1-Ig 2 Publications

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Basic Information

Catalog Number:
68076-1-Ig

Size:
150ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG17608

GenBank Accession Number:
BC006418

GeneID (NCBI):
9531

UNIPROT ID:
O95817

Full Name:
BCL2-associated athanogene 3

Calculated MW:
61 kDa

Observed MW:
74 kDa

Purification Method:
Protein G purification

CloneNo.:
4G6C2

Recommended Dilutions:
WB 1:5000-1:50000
IF/ICC 1:500-1:2000

Applications

Tested Applications:
WB, IF, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
Human, mouse, rabbit, pig, rat

Cited Species:
human, rat

Positive Controls:

WB : NIH/3T3 cells, LNCaP cells, rabbit heart tissue, HeLa cells, pig heart, rat heart

IF/ICC : HepG2 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Lu	35253089	J Physiol Biochem	IHC
Jiao Lu	37990150	J Physiol Sci	WB,IF

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol 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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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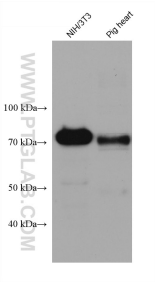
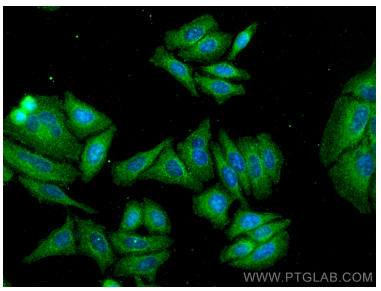
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68076-1-Ig (BAG3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using BAG3 antibody (68076-1-Ig, Clone: 4G6C2) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).