

BAG3 Recombinant antibody

Catalog Number: 83779-4-RR

Basic Information

Catalog Number: 83779-4-RR	GenBank Accession Number: BC006418	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 9531	CloneNo.: 240860F12
Source: Rabbit	UNIPROT ID: O95817	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: BCL2-associated athanogene 3	IHC 1:200-1:800
Immunogen Catalog Number: AG0956	Calculated MW: 61 kDa	IF/ICC 1:200-1:800
	Observed MW: 74-80 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, HEK-293 cells, K-562 cells, DU 145 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0 ; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human stomach cancer tissue,
	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. 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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

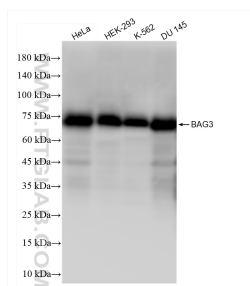
T: 4006900926

E: Proteintech-CN@ptglab.com

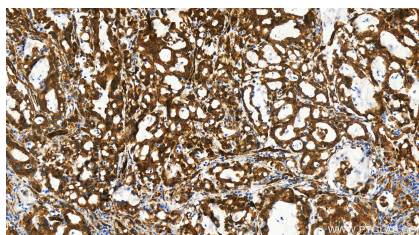
W: ptgcn.com

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

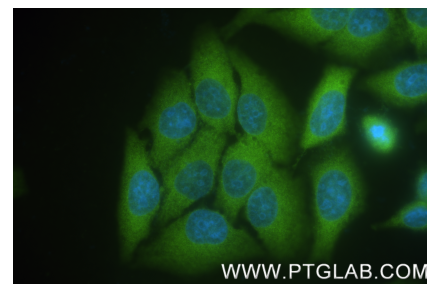
Selected Validation Data



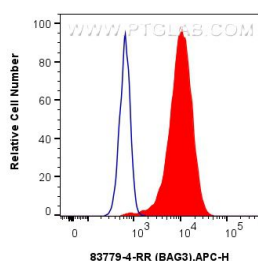
Various lysates were subjected to SDS PAGE followed by western blot with 83779-4-RR (BAG3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



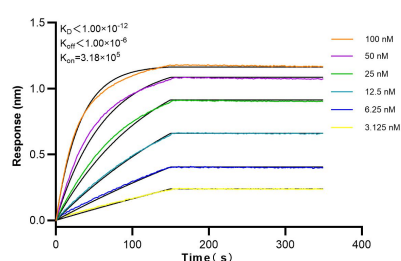
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83779-4-RR (BAG3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using BAG3 antibody (83779-4-RR, Clone: 240860F12) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug BAG3 Recombinant antibody (83779-4-RR, Clone:240860F12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83779-4-RR against Human BAG3 were performed. The affinity constant is below 1 pM.