For Research Use Only

BAG3 Recombinant antibody, PBS Only

Catalog Number:83779-4-PBS

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Basic Information

Catalog Number:
83779-4-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0956

GenBank Accession Number:
BC006418

GeneID (NCBI):
9531

UNIPROT ID:
O95817

Full Name:
BCL2-associated athanogene 3

Calculated MW:
61 kDa

Observed MW:
74-80 kDa

Purification Method:
Protein A purfication

CloneNo.:
240860F12

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human

Background Information

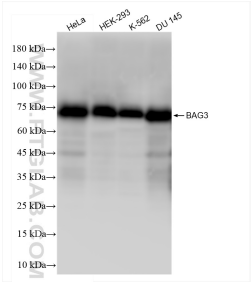
BAG3 (Bcl2-associated athanogene 3) belongs to the BAG protein family, the co-chaperone that binds to Hsc70/Hsp70 through the BAG domain and modulates their activity in polypeptide folding. BAG3 contains also a WW domain and a proline-rich (PXXP) repeat, that mediate binding to partners different from 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

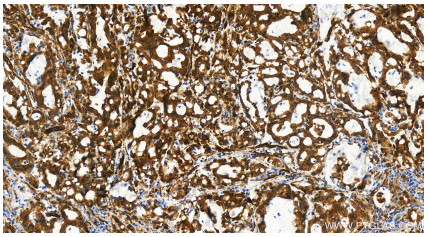
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

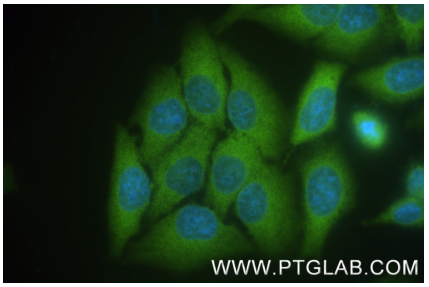
Selected Validation Data



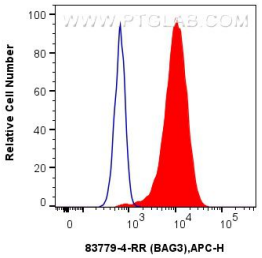
Various lysates were subjected to SDS PAGE followed by western blot with 83779-4-RR (BAG3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83779-4-PBS in a different storage buffer formulation.



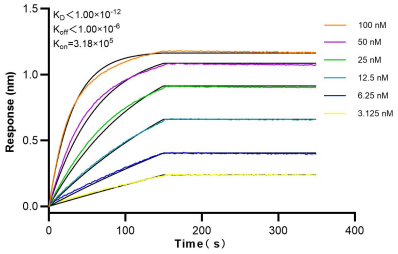
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83779-4-RR (BAG3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 83779-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83779-4-PBS in a different storage buffer formulation.



1x10^6 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). This data was developed using the same antibody clone with 83779-4-PBS in a different storage buffer formulation.



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