

BAG3 Polyclonal Antibody

Catalog number: 10599-1-AP

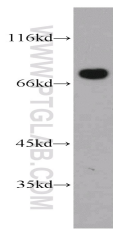
Size: 72 µg/150 µl

Source: Rabbit

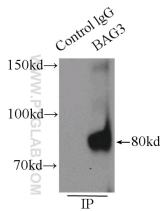
Isotype: IgG

Synonyms:

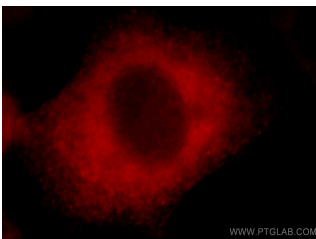
BAG3; BAG 3, BAG3, BIS, CAIR 1, Docking protein CAIR 1



HeLa cells were subjected to SDS PAGE followed by western blot with 10599-1-AP (BAG3 antibody) at dilution of 1:1000



IP Result of anti-BAG3 (IP:10599-1-AP, 4µg; Detection:10599-1-AP 1:1000) with K-562 cells lysate 11000µg.



Immunofluorescent analysis of HeLa cells, using BAG3 antibody 10599-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).

Background

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.

Applications

Tested applications:	ELISA, WB, IF, IP, IHC
Cited applications:	IF, IHC, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, monkey, mouse
Calculated BAG3 MW:	61 kDa
Observed BAG3 MW:	74-80 kDa
Positive WB detected in	HeLa cells, DU 145 cells, HEK-293 cells, K-562 cells, mouse brain tissue, mouse placenta tissue, mouse uterus tissue, rat brain tissue
Positive IP detected in	K-562 cells
Positive IHC detected in	Human gliomas tissue
Positive IF detected in	Hela cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

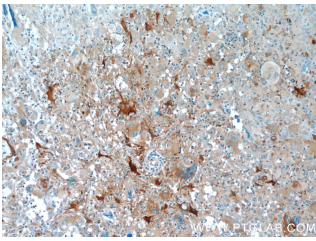
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

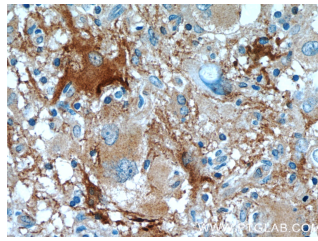
Immunogen:	Ag0956
GenBank accession number:	BC006418
Gene ID (NCBI):	9531
Full name:	BCL2-associated athanogene 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 10599-1-AP(BAG3 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 10599-1-AP(BAG3 Antibody) at dilution of 1:50 (under 40x lens)