

20-1117: Polyclonal antibody to BAG3

Clonality :	Polyclonal
Application :	IP,IHC,WB
Reactivity :	Human
Gene :	BAG3
Gene ID :	9531
Uniprot ID :	O95817
Format :	Sera
Alternative Name :	BAG3,BIS
Isotype :	Rabbit IgG
Immunogen Information :	AA synthetic peptide of human BAG-3 (amino acids 276-294 REGSPARSSTPLHSPSPIR) was used as immunogen for this antibody

Description

The BAG proteins are a family of chaperone regulators that modulate a number of diverse processes including proliferation, survival, stress responses, tumorigenesis, neuronal differentiation, growth arrest and apoptosis (reviewed Takayama and Reed, 2001; Doong et al, 2002, and Doukhanina et al. 2006). BAG proteins have been characterized as co-chaperones and interact with the chaperone heat shock proteins 70, both constitutive Hsc70 and inducible Hsp70. BAG proteins bind through their BAG domain to the ATPase domain of Hsc70/Hsp70, and can modulate either positively or negatively the functions of the Hsc70/Hsp70 chaperone proteins. The BAG domain has been shown to contribute to the anti-apoptotic activity of BAG-family proteins. The anti-apoptotic activities of BAG-family proteins may be dependent on their interactions with Hsc70/Asp70 and/or binding to Bcl-2. In addition to the conserved BAG domain, BAG-family proteins also contain additional domains which enable them to interact with specific target proteins or to target them to specific locations within cells.

Product Info

Amount :	50 µl
Content :	50 µl sera
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200

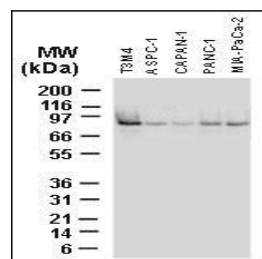


Fig:1 Western blot analysis of BAG-3 in CAPAN-1 human pancreatic cancer cells following heat shock using 20-1117 at 1:2000. Cells were heat shocked at 45 degrees for 10 min and total proteins were extracted following incubation at 37 degrees for the indicated times. Control = no heat shock treatment. Maximal BAG-3 protein expression was detected at 6 h post heat shock treatment.

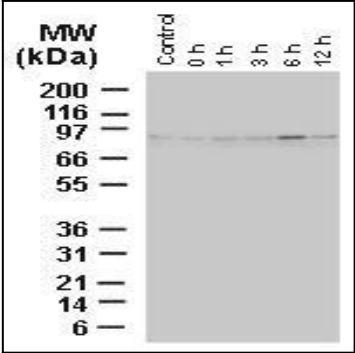


Fig:2 Western blot analysis of BAG-3 in human pancreatic cancer cell lines using 20-1117 at 1:2000.