

## 20-1118: Polyclonal antibody to BAG3

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IP
<b>Reactivity :</b>	Human,Mouse
<b>Gene :</b>	BAG3
<b>Gene ID :</b>	9531
<b>Uniprot ID :</b>	O95817
<b>Format :</b>	Sera
<b>Alternative Name :</b>	BAG3,BIS
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A recombinant protein fragment of human BAG-3 C-terminal (196 amino acids) 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

<b>Amount :</b>	50 µl
<b>Content :</b>	50 µl sera
<b>Storage condition :</b>	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

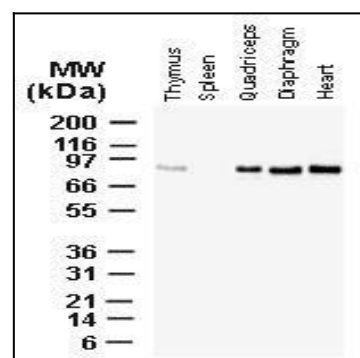


Fig:1 Western blot analysis of BAG-3 using 20-1118 at 1:2000. Tissue lysates, normalized for total protein (20 ug/lane), were from a 4 week old male mouse. BAG-3 expression was detected at highest levels in skeletal (quadriceps and diaphragm) and smooth (heart) muscle specimens.

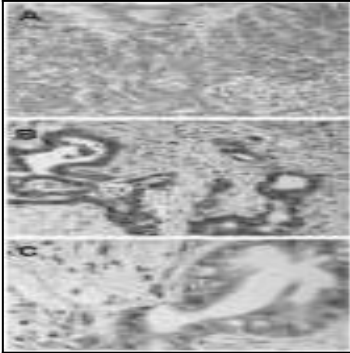


Fig:2 Immunohistochemistry-Paraffin: BAG3 Antibody 20-1118. Staining of human pancreas tissue sections using this antibody at 1:2000. A, normal pancreas. B and C, pancreatic cancer. Hematoxylin-eosin counterstain.

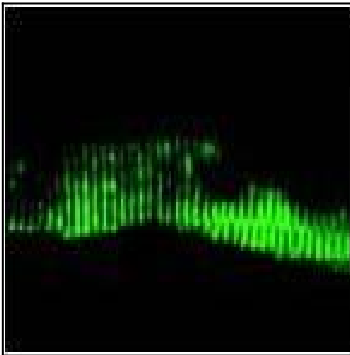


Fig:3 Frozen mouse muscle tissue section stained for BAG-3 expression using 20-1118 at 1:2000. The tissue section was fixed in 3.8% paraformaldehyde prior to staining. BAG-3 localizes with Z-disk proteins.