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20-1118: Polyclonal antibody to BAG3

Clonality :	Polyclonal
Application :	WB,IHC,IP
Reactivity :	Human,Mouse
Gene :	BAG3
Gene ID :	9531
Uniprot ID :	O95817
Format :	Sera
Alternative Name :	BAG3,BIS
Isotype :	Rabbit IgG
Immunogen Information :	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

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

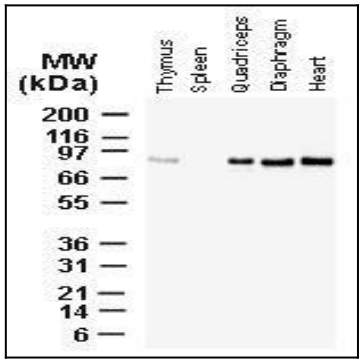


Fig:1 Western blot analysis of BAG-3 using 20-1118 at 1:2000. Tissue lysates, normalized for total protein (20 ug/lane), were from a 4 week old male mouse. BAG-3 expression was detected at highest levels in skeletal (quadriceps and diaphragm) and smooth (heart) muscle specimens.

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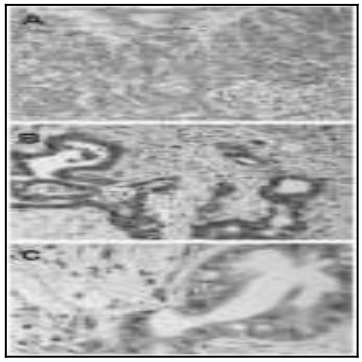


Fig:2 Immunohistochemistry-Paraffin: BAG3 Antibody 20-1118. Staining of human pancreas tissue sections using this antibody at 1:2000. A, normal pancreas. B and C, pancreatic cancer. Hematoxylin-eosin counterstain.

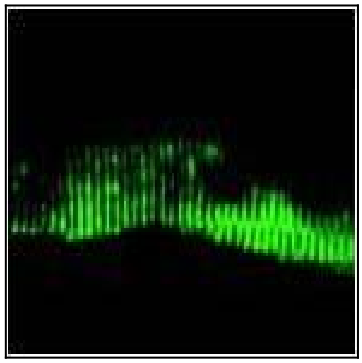


Fig:3Frozen mouse muscle tissue section stained for BAG-3 expression using 20-1118 at 1:2000. The tissue section was fixed in 3.8% paraformaldehyde prior to staining. BAG-3 localizes with Z-disk proteins.

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