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20-1011: Polyclonal antibody to Bag-1

Clonality :	Polyclonal
Application :	IP,IHC,WB
Reactivity :	Dog,Rat,Mouse,Human
Gene :	BAG1
Gene ID :	573
Uniprot ID :	Q99933
Format :	Sera
Alternative Name :	Bcl-2-associated athanogene 1, HAP
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide of Bag-1 protein (amino acids 205-219 QETERLQSTNLALAE) was used as the immunogen for this antibody

Description

This antibody recognizes both BAG-1 and BAG-1 isoforms which contain the peptide immunogen sequence, including BAG-1L. Mouse BAG-1 is a 219 amino acid (aa) protein. The BAG family contains at least six family members, including BAG-1 and its various isoforms [including BAG-1S , BAG-1M (RAP46/HAP46), and BAG-1L, BAG2, BAG3 (CAIR-1; Bis,), BAG4 (SODD), BAG5 and BAG6 (Scythe, BAT3). 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. 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, IF/ICC: 1:500-1:2000

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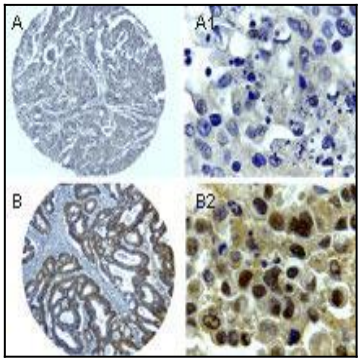

Fig:1 Formalin-fixed, paraffin-embedded sections of human colorectal cancer stained for Bag-1 using 20-1011 at 1:2000. Hematoxylin-eosin counterstain. Samples from two patients (A and B) are shown. A1 and B1 are higher magnifications from A and B, respectively.

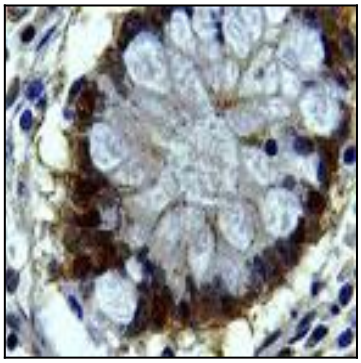

Fig:2 Formalin-fixed, paraffin-embedded section of human colon stained for Bag-1 using 20-1011 at 1:2000. Hematoxylin-eosin counterstain.