

## 20-1011: Polyclonal antibody to Bag-1

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IP,IHC,WB
<b>Reactivity :</b>	Dog,Rat,Mouse,Human
<b>Gene :</b>	BAG1
<b>Gene ID :</b>	573
<b>Uniprot ID :</b>	Q99933
<b>Format :</b>	Sera
<b>Alternative Name :</b>	Bcl-2-associated athanogene 1, HAP
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<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, IF/ICC: 1:500-1:2000

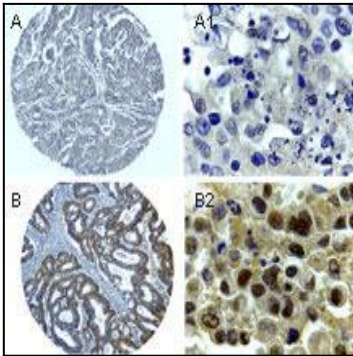


Fig:1 Formalin-fixed, paraffin-embedded sections of human colorectal cancer stained for Bag-1 using 20-1011 at 1:2000. Hematoxylin-eosin counterstain. Samples from two patients (A and B) are shown. A1 and B1 are higher magnifications from A and B, respectively.

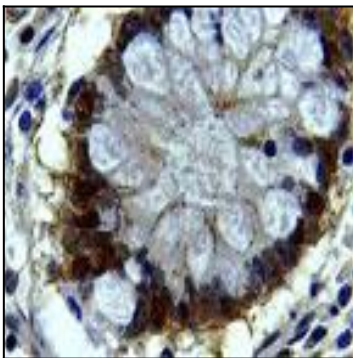


Fig:2 Formalin-fixed, paraffin-embedded section of human colon stained for Bag-1 using 20-1011 at 1:2000. Hematoxylin-eosin counterstain.