

## **BAG-5 (Bcl-2-associated Athanogene-5). Rabbit Polyclonal Antibody , Rat**

### **BACKGROUND**

It has been hypothesized that the BAG-5 protein will induce the death of nigral neurons through its predicted interaction with hsp70, which will cause increased protein aggregation and cell death by disinhibition of hsp70's anti-apoptotic function. It is believed that BAG-5 will play an important role in the mechanisms of neuronal death. BAG-5 may also be of interest due to its possible role as a modulator of the hsp70/hsp40 chaperone axis or its possible interaction and coordination of localization/modulation of other BAG containing proteins via BAG-BAG heterodimerization. GenBank Sequence reference for BAG-5 protein, GI5868893.

### **ORDERING INFORMATION**

**CATALOG NUMBER**  
X1596P

**SIZE**  
100  $\mu$ g

**FORM**  
Unconjugated

**HOST/CLONE**  
Rabbit

**FORMULATION**  
Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**  
1 mg/ml

**ISOTYPE**

**APPLICATIONS**  
Western blot, Immunohistochemistry (Paraffin Sections)

### **IMMUNOGEN**

Synthetic peptide derived from the human BAG-5 protein.

### **SPECIES REACTIVITY**

Rat

### **COMMENTS**

Antibody can be used for Western blotting (5–10  $\mu$ g/ml). Optimal concentration should be evaluated by serial dilutions.

### **STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

### **STABILITY**

Products are stable for one year from purchase when stored properly

**For research use only. Not for use in human diagnostics or therapeutics.**

**POSITIVE CONTROL**

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**REFERENCES**

1. Takayama, S., et al. "An evolutionarily conserved family of Hsp70/Hsc70 molecular chaperone regulators." J. Biol. Chem. 1999, 274: 781–786

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Exalpha Biologicals, Inc. 5 Clock Tower Place, Suite 255 Maynard, MA 01754  
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com

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