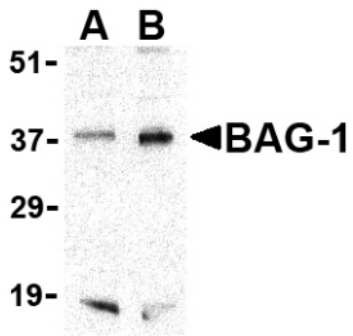
BAG-1 Polyclonal Antibody

Product Specifications

Catalog Number:	905-735-100
Host:	Rabbit
Species Reactivity:	Human, mouse, rat
Applications: *The optimal dilution for a specific application must be determined by the investigator*	**WB:** 1-2 µg/mL
Predicted m.w:	~37 kDa
Concentration:	See product label
Purification:	Peptide Affinity
Format:	PBS, 0.02% sodium azide
Storage: *Shipping conditions may differ from the recommended storage temperature*	Store at -20°C
Immunogen:	Synthetic peptide corresponding to sequence near the carboxy-terminus of human BAG-1
Related Products:	
SPA-810	Hsp70 Monoclonal Antibody
SPA-812	Hsp70 Polyclonal Antibody
AAM-072	Bcl2 Monoclonal Antibody



Western blot analysis of PC-3 cell lysate at (A) 1 and (B) 2 µg/mL, probed with BAG-1 Polyclonal Antibody

Background:

Bcl-2-associated athanogene 1 (BAG-1), first identified as an anti-apoptotic bcl-2-binding protein[1], was later found to bind the molecular chaperones Hsp70 and Hsc70 through its carboxy-terminal sequence (termed the Bag domain), resulting in the inhibition of refolding activity in these chaperones[2]. By binding and inhibiting these molecular chaperones, BAG-1 appears to modulate the expression level of proteins requiring chaperones to fold correctly, such as glucocorticoid receptors[3]. Other reports suggest that the level of BAG-1 expression correlates with the aggressiveness of various cancers[4]. Multiple isoforms of BAG-1 exist.

References:

1. Takayama, S., *et al.* (1995) Cell **80**, 279-284.
2. Nollen, E.A.A., *et al.* (2000) Mol Cell Biol. **20**, 1083-1088.
3. Cato, A.C.B. and Mink, S. (2001) J Steroid Biochem & Mol Biol. **78**, 379-388.
4. Kajewska, M., *et al.* (2006) Prostate **66**, 801-810.

5777 Hines Drive • Ann Arbor, MI • 48108 | Tel: 800-833-8651 or 734-668-6113 | Fax: 734-668-2793
www.assaydesigns.com | orders@assaydesigns.com | technical@assaydesigns.com

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