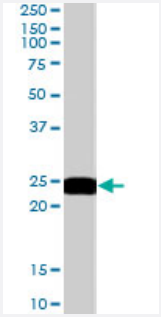
BAG2 polyclonal antibody

Catalog # PAB6054 Size 100 ug

Applications



Western Blot (Cell lysate)

BAG2 polyclonal antibody (Cat # PAB6054) staining (0.3 ug/mL) of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of BAG2.
Immunogen	A synthetic peptide corresponding to human BAG2.
Sequence	CSKTLQQNAESRFN
Host	Goat
Theoretical MW (kDa)	23.7
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:8000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  BAG2 polyclonal antibody (Cat # PAB6054) staining (0.3 ug/mL) of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BAG2

Entrez GeneID	9532
Protein Accession#	NP_004273.1
Gene Name	BAG2
Gene Alias	BAG-2, KIAA0576, MGC149462, dJ417I1.2
Gene Description	BCL2-associated athanogene 2
Omim ID	603882
Gene Ontology	Hyperlink
Gene Summary	BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote su bstrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 2 11 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc7 0 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATP ase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq
Other Designations	BAG-family molecular chaperone regulator-2|OTTHUMP00000016668|dJ417I1.2 (BAG-family m olecular chaperone regulator 2)

Publication Reference

- Regulation of the cytoplasmic quality control protein degradation pathway by BAG2.

  Dai Q, Qian SB, Li HH, McDonough H, Borchers C, Huang D, Takayama S, Younger JM, Ren HY, Cyr DM, Patterson C.

  The Journal of Biological Chemistry 2005 Sep; 280(46):38673.