

**AP16867PU-N****Polyclonal Antibody to BAG5 - Aff - Purified**

<b>Alternate names:</b>	BAG family molecular chaperone regulator 5, BAG-5, Bcl-2-associated athanogene 5, KIAA0873
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0,5 mg/ml
<b>Background:</b>	<p>BAG5 is a member of the BAG1 related protein family. BAG1 is an anti apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL 2, Raf protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. A BAG domain near the C terminus, may bind and inhibit the chaperone activity of Hsc70/Hsp70.</p> <p>It has been hypothesized that the BAG5 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 BAG5 will play an important role in the mechanisms of neuronal death. BAG5 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.</p>
<b>Uniprot ID:</b>	<a href="#">Q9UL15</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">9529</a>
<b>Host:</b>	Goat
<b>Immunogen:</b>	Peptide with sequence DPQGEEKCKAARKQ, from the internal region of the protein sequence
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Affinity chromatography <b>Buffer System:</b> Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
<b>Applications:</b>	Peptide ELISA: 1/16000. Western Blot: 1 - 3 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to BAG5. This antibody is expected to recognise reported isoform a and isoform b.
<b>Species Reactivity:</b>	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Mouse, Rat.

- Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.
- General Readings:** Kalia SK, Lee S, Smith PD, Liu L, Crocker SJ, Thorarinsdottir TE, Glover JR, Fon EA, Park DS, Lozano AM.  
BAG5 inhibits parkin and enhances dopaminergic neuron degeneration.  
Neuron. 2004 Dec 16;44(6):931-45.  
PMID: 15603737
- Pictures:** TA305758 (1ug/ml) staining of Jurkat lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

