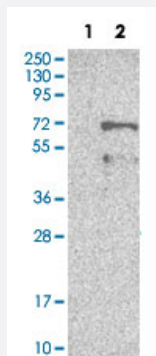


# BAG4 polyclonal antibody

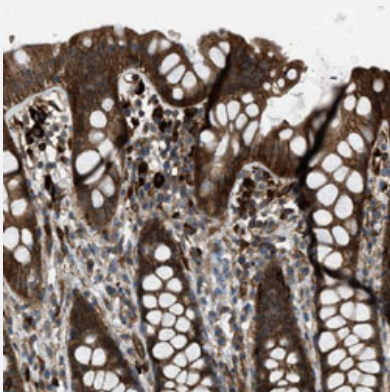
Catalog # PAB31526      Size 100 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with BAG4 polyclonal antibody (Cat # PAB31526).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with BAG4 polyclonal antibody (Cat # PAB31526) shows strong cytoplasmic positivity in glandular cells.

## Specification

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| Product Description | Rabbit polyclonal antibody raised against partial recombinant human BAG4.         |
| Immunogen           | Recombinant protein corresponding to human BAG4.                                  |
| Sequence            | VHQYESSGTVNDDSDLLDSQVQYSAEPQLYGNATSDHPNNQDQSSSLPEECVPSDESTPPSIK<br>KIIHVLEKVQYLEQ |
| Host                | Rabbit                                                                            |
| Reactivity          | Human                                                                             |

|                     |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                |
| Purification        | Antigen affinity purification                                                                                                                                                         |
| Isotype             | IgG                                                                                                                                                                                   |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200)<br>Western Blot (1:100-1:250)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).                                                                                                                                    |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with BAG4 polyclonal antibody (Cat # PAB31526).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with BAG4 polyclonal antibody (Cat # PAB31526) shows strong cytoplasmic positivity in glandular cells.

## Gene Info — BAG4

|                    |                              |
|--------------------|------------------------------|
| Entrez GeneID      | <a href="#">9530</a>         |
| Protein Accession# | <a href="#">O95429</a>       |
| Gene Name          | BAG4                         |
| Gene Alias         | BAG-4, SODD                  |
| Gene Description   | BCL2-associated athanogene 4 |
| Omim ID            | <a href="#">603884</a>       |
| Gene Ontology      | <a href="#">Hyperlink</a>    |

**Gene Summary**

The protein encoded by this gene 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. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. This protein was found to be associated with the death domain of tumor necrosis factor receptor type 1 (TNF-R1) and death receptor-3 (DR3), and thereby negatively regulates downstream cell death signaling. The regulatory role of this protein in cell death was demonstrated in epithelial cells which undergo apoptosis while integrin mediated matrix contacts are lost. [provided by RefSeq]

**Other Designations**

BAG-family molecular chaperone regulator-4|silencer of death domains

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)