

**BAP31 Rabbit mAb**  
**Catalog # AP75145****Specification**

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**BAP31 Rabbit mAb - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, IHC-F, ICC  |
| Primary Accession | <a href="#">P51572</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Calculated MW     | 27992                  |

**BAP31 Rabbit mAb - Additional Information****Gene ID** 10134**Other Names**  
BCAP31**Dilution**  
WB~~1/500-1/1000  
IHC-P~~N/A  
IHC-F~~N/A  
ICC~~N/A**Format**  
Liquid**BAP31 Rabbit mAb - Protein Information****Name** BCAP31 ([HGNC:16695](#))**Function**

Functions as a chaperone protein (PubMed: [18287538](http://www.uniprot.org/citations/18287538), PubMed: [9396746](http://www.uniprot.org/citations/9396746)). Is one of the most abundant endoplasmic reticulum (ER) proteins (PubMed: [18287538](http://www.uniprot.org/citations/18287538), PubMed: [9396746](http://www.uniprot.org/citations/9396746)). Plays a role in the export of secreted proteins in the ER, the recognition of abnormally folded protein and their targeting to the ER associated-degradation (ERAD) (PubMed: [18287538](http://www.uniprot.org/citations/18287538), PubMed: [9396746](http://www.uniprot.org/citations/9396746)). Also serves as a cargo receptor for the export of transmembrane proteins (By similarity). Plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by stimulating the translocation of NDUFS4 and NDUF11 from the cytosol to the mitochondria via interaction with TOMM40 (PubMed: [31206022](http://www.uniprot.org/citations/31206022)). In response to ER stress, delocalizes from the ER-mitochondria contact sites and binds BCL2 (PubMed: [31206022](http://www.uniprot.org/citations/31206022))

target="\_blank">31206022</a>). May be involved in CASP8-mediated apoptosis (PubMed:<a href="http://www.uniprot.org/citations/10958671" target="\_blank">10958671</a>).

#### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Note=May shuttle between the ER and the intermediate compartment/cis-Golgi complex (PubMed:9396746). Associates with the mitochondria-associated endoplasmic reticulum membrane via interaction with TOMM40 (PubMed:31206022)

#### Tissue Location

Ubiquitous. Highly expressed in neurons and discrete endocrine cells.

### BAP31 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### BAP31 Rabbit mAb - Images



