

BAG3 Rabbit mAb
Catalog # AP75142**Specification**

BAG3 Rabbit mAb - Product Information

Application	WB
Primary Accession	O95817
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	61595

BAG3 Rabbit mAb - Additional Information**Gene ID** 9531**Other Names**
BAG3**Dilution**
WB~~1/500-1/1000**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**BAG3 Rabbit mAb - Protein Information****Name** BAG3**Synonyms** BIS**Function**

Co-chaperone and adapter protein that connects different classes of molecular chaperones including heat shock proteins 70 (HSP70s), e.g. HSPA1A/HSP70 or HSPA8/HSC70, and small heat shock proteins (sHSPs), e.g. HSPB8 (PubMed:<[a href="http://www.uniprot.org/citations/27884606" target="_blank">27884606](http://www.uniprot.org/citations/27884606), PubMed:<[a href="http://www.uniprot.org/citations/30559338" target="_blank">30559338](http://www.uniprot.org/citations/30559338)). Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from HSP70s, thereby triggering client protein release (PubMed:<[a href="http://www.uniprot.org/citations/27884606" target="_blank">27884606](http://www.uniprot.org/citations/27884606), PubMed:<[a href="http://www.uniprot.org/citations/30559338" target="_blank">30559338](http://www.uniprot.org/citations/30559338)). Nucleotide release is mediated via BAG3 binding to the nucleotide-binding domain (NBD) of HSP70s, whereas client release is mediated via binding to the substrate-binding domain (SBD) (PubMed:<[a href="http://www.uniprot.org/citations/27474739" target="_blank">27474739](http://www.uniprot.org/citations/27474739), PubMed:<[a href="http://www.uniprot.org/citations/9873016" target="_blank">9873016](http://www.uniprot.org/citations/9873016)). Has anti-apoptotic activity (PubMed:<[a href="http://www.uniprot.org/citations/10597216" target="_blank">10597216](http://www.uniprot.org/citations/10597216)).

target="_blank">10597216). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:26159920).

Cellular Location

Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920)

BAG3 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](#)

BAG3 Rabbit mAb - Images

