10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-BAG3 / BAG-3 Antibody (aa537-548)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17866

Product Information

Application	WB, IHC-P, E
Primary Accession	O95817
Predicted	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	61595
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	9531
Alias Symbol	BAG3
Other Names	BAG3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, BCL2-binding athanogene 3, BIS, BAG-3, CAIR-1, Docking protein cair1, BCL2-associated athanogene 3, Docking protein CAIR-1
Target/Specificity	Human BAG3 / BAG-3
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-BAG3 / BAG-3 Antibody (aa537-548) is for research use only and not for use in diagnostic or therapeutic procedures.

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:27884606, PubMed:30559338). Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from HSP70s, thereby triggering client protein release (PubMed:27884606, PubMed: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:27474739, PubMed:9873016). Has anti-apoptotic activity (PubMed: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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.