

BAG3 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21826a

Specification

BAG3 Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	O95817
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG

BAG3 Antibody (N-Term) - Additional Information

Gene ID 9531

Other Names

BAG family molecular chaperone regulator 3, BAG-3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1, BAG3, BIS

Target/Specificity

This BAG3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 31-62 amino acids from human BAG3.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BAG3 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

BAG3 Antibody (N-Term) - 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

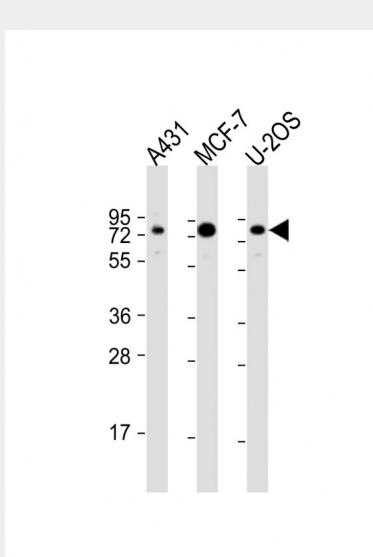
Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress (PubMed:26159920)

BAG3 Antibody (N-Term) - 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 Antibody (N-Term) - Images



All lanes : Anti-BAG3 Antibody (N-Term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

BAG3 Antibody (N-Term) - Background

Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity.

BAG3 Antibody (N-Term) - References

Takayama S.,et al.J. Biol. Chem. 274:781-786(1999).
Lee J.H.,et al.Oncogene 18:6183-6190(1999).
Doong H.,et al.Oncogene 19:4385-4395(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).