

# Anti-BAG3 [V65P1E8\*D2]

**Catalogue number:** 152781

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-BAG3 [V65P1E8\*D2]

**Alternate name:** BAG3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Anti-BCL2-Associated Athanogene 3 (BAG3) [V65P1E8\*D2] is specific for human BAG3. BAG3 is involved in chaperone-assisted selective autophagy. Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity. In muscle cells, BAG3 cooperates with the molecular chaperones Hsc70 and HspB8 to induce the degradation of mechanically damaged cytoskeleton components in lysosomes. This process is called chaperone-assisted selective autophagy (CASA) and is essential for maintaining muscle activity. Defects in BAG3 are the cause of myopathy myofibrillar BAG3-related (MFM-BAG3) [MIM:612954]. A neuromuscular disorder that results in early-onset, severe, progressive, diffuse muscle weakness associated with cardiomyopathy, severe respiratory insufficiency during adolescence, and a rigid spine in some patients.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:**

Ovalbumin-conjugated synthetic peptide MTDTPGNPAAP

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** BAG family molecular chaperone regulator 3

**Target alternate names:**

**Target background:** Anti-BCL2-Associated Athanogene 3 (BAG3) [V65P1E8\*D2] is specific for human BAG3. BAG3 is involved in chaperone-assisted selective autophagy. Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity. In muscle cells, BAG3 cooperates with the molecular chaperones Hsc70 and HspB8 to induce the degradation of mechanically damaged cytoskeleton components in lysosomes. This process is called chaperone-assisted selective autophagy (CASA) and is essential for maintaining muscle activity. Defects in BAG3 are the cause of myopathy myofibrillar BAG3-related (MFM-BAG3) [MIM:612954]. A neuromuscular disorder that results in early-onset, severe, progressive, diffuse muscle weakness associated with cardiomyopathy, severe respiratory insufficiency during adolescence, and a rigid spine in some patients.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:**

CancerTools.org