Data Sheet (Cat.No.TMAC-00371)

Anti-BAG3 Antibody (9B703)

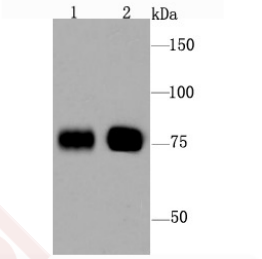
Product Details

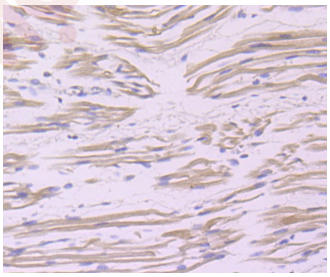
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 75 kDa.
Clone:	9B703
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Bag3 on Hela (1) and MCF-7 (2) cell using anti-Bag3 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-Bag3 antibody. Counter stained with hematoxylin.





Application:	IHC,IP,WB
Recommended	WB: 1:1000-2000; IHC: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	O95817
Synonyms:	Docking protein CAIR 1;BCL2 associated athanogene 3;CAIR 1;Bcl-2-binding protein Bis;BCL2 binding athanogene 3;BAG family molecular chaperone regulator 3;MFM6;Docking protein CAIR-1;Bcl-2-associated athanogene 3;BIS;BAG 3;Bcl 2 binding protein

Research Background

The Bag family of proteins are characterized by the presence of a 45 amino acid Bag domain through which they bind with high affinity to the ATPase domain of HSP 70, thereby negatively regulating HSP 70 chaperone activity. Bag-3 (Bcl-2-associated athanogene 3), also known as BIS or CAIR-1, is a 575 amino acid protein that contains one C-terminal Bag domain and two N-terminal WW domains. Like other members of the Bag family, Bag-3 functions to inhibit the chaperone activity of HSP 70, specifically by promoting the release of HSP 70-bound substrates. Additionally, Bag-3 exhibits apoptotic activity via cell cycle control, suggesting a possible role for Bag-3 in tumor progression. The gene encoding Bag-3 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome.

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