

Datasheet: VMA00928

BATCH NUMBER 100005625

Description:	MOUSE ANTI BAG2
Specificity:	BAG2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/3G9
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-211 of human BAG2

**External Database
Links**

UniProt:

[O95816](#) [Related reagents](#)

Entrez Gene:

[9532](#) BAG2 [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti BAG2 antibody** recognizes BAG family molecular chaperone regulator 2, also known as Bcl-2-associated athanogene 2.

BAG2 is a member of the BAG family. These proteins interact with the molecular chaperone HSP70, dictating HSP70 interactions with client proteins and apoptosis. BAG2 also interacts with a range of other molecules, regulating various cellular functions ([Qin et al. 2016](#)). BAG2 phosphorylation by MAPKAP kinase 2 is part of the p38 signaling pathway in response to extracellular stress ([Ueda et al. 2004](#)). BAG2 is induced by proteasome inhibitors and appears to promote apoptosis in cancer cells ([Wang et al. 2008](#)). BAG2 has also been implicated in Parkinson's disease ([Fukuzono et al. 2016](#)) and Alzheimer's disease ([de Paula et al. 2016](#)). Recently, studies have found a role of BAG2 in successful infection by simian virus 40 ([Dupzyk and Tsai, 2018](#)).

Western Blotting Mouse anti BAG2 detects a band of approximately 24 kDa in HeLa cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00928>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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