

Datasheet: VMA00803

BATCH NUMBER 64580660

Description:	MOUSE ANTI DNAJA1
Specificity:	DNAJA1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/4A12
Isotype:	IgG2b
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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-397 of human DNAJA1

External Database Links

UniProt:

[P31689](#)

[Related reagents](#)

Entrez Gene:

[3301](#)

DNAJA1

[Related reagents](#)

Synonyms	DNAJ2, HDJ2, HSJ2, HSPF4
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Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
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Specificity	Mouse anti DNAJA1 antibody recognizes DnaJ homolog subfamily A member 1, also known as DNAJ2, HDJ2, HSJ2, and HSPF4.
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DNAJA1 is a member of the DNAJ family of proteins, the largest and most diverse family of co-chaperones that work with HCP70 and HSP90 ([Ergülen et al. 2016](#)). The DNAJ family has diverse involvement in cellular activities including protein translation, folding / unfolding / refolding, translocation and degradation ([Parrales et al. 2016](#)). DNAJA1 appears to play roles in autoimmune diseases, neurodegenerative diseases, and cancer ([Ergülen et al. 2016](#)). DNAJA1 also co-opted by and acts as a positive replicator for replication of the influenza A virus via its RNA polymerase activity ([Cao et al. 2014](#)).

Western Blotting	Mouse anti DNAJA1 antibody detects a band of approximately 46 kDa in HEK293 cell lysates
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
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Guarantee	12 months from date of despatch
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Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00803 Antibody (10040)
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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