

Datasheet: VMA00803

BATCH NUMBER 100004382

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 *E. coli*-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

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

Specificity **Mouse anti DNAJA1 antibody** recognizes DnaJ homolog subfamily A member 1, also known as DNAJ2, HDJ2, HSJ2, and HSPF4.

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

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/VMA00803>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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