

Datasheet: HCA273

BATCH NUMBER 170231

Description:	HUMAN ANTI HSPA4
Specificity:	HSPA4
Other names:	HEAT SHOCK 70 KDA PROTEIN 4
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD23625_hIgG1
Isotype:	IgG1
Quantity:	0.1 mg

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	▪			1/50 - 1/800

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Human IgG1 antibody selected from the HuCAL phage display library and expressed in a human cell line - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Source	HKB-11
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	Recombinant human HSPA4
External Database Links	<p>UniProt: P34932 Related reagents</p> <p>Entrez Gene: 3308 HSPA4 Related reagents</p>
Synonyms	APG2
Specificity	<p>Human anti HSPA4 antibody, clone AbD23625_hlgG1 recognizes human heat shock 70 kDa protein 4, also known as epididymis secretory sperm binding protein Li 5a and APG-2. It is an 840 amino acid chaperone that protects existing proteins against aggregation as well as mediating correct folding of newly synthesized proteins.</p> <p>HSPA4 has a predicted molecular weight of ~94 kDa; human anti HSPA4 antibody detects a band of approximately 110 kDa in western blotting.</p>
Western Blotting	Anti HSPA4 antibody detects a band of approximately 110 kDa in MCF7 cell lysate under reducing conditions.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA273
Licensed Use	For <i>in vitro</i> research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual .

Related Products

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)
[GOAT ANTI HUMAN IgG F\(ab'\)₂:HRP \(STAR126P\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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