

Datasheet: HCA273

BATCH NUMBER 1611

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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant human HSPA4

External Database Links

UniProt:

[P34932](#) [Related reagents](#)

Entrez Gene:

[3308](#) HSPA4 [Related reagents](#)

Synonyms APG2

Specificity **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.

HSPA4 has a predicted molecular weight of ~94 kDa; human anti HSPA4 antibody detects a band of approximately 110 kDa in western blotting.

Western Blotting Anti HSPA4 antibody detects a band of approximately 110 kDa in MCF7 cell lysate under reducing conditions

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.

Guarantee 12 months from date of despatch

Acknowledgements Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.

Health And Safety Information Material Safety Datasheet documentation #10094 available at:
<https://www.bio-rad-antibodies.com/SDS/HCA27310094>

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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 \(STAR126P\)](#)

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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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