

Datasheet: VMA00442KT

Description:	HEAT SHOCK 70 kDa PROTEIN 4 ANTIBODY WITH CONTROL LYSATE
Specificity:	HEAT SHOCK 70 kDa PROTEIN 4
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	HuCAL Fab bivalent
Quantity:	2 Westerns

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	20µl Human recombinant monoclonal antibody purified by StrepTactin affinity chromatography from <i>E. coli</i> extracts
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	GST-tagged heat shock 70 kDa protein 4 fusion protein
External Database Links	<p>UniProt: P34932 Related reagents</p> <p>Entrez Gene: 3308 HSPA4 Related reagents</p>
Synonyms	APG2

Specificity	Human anti Human heat shock 70 kDa protein 4 antibody recognizes heat shock 70 kDa protein 4, also known as HSPA4, epididymis secretory sperm binding protein Li 5a and heat shock 70-related protein APG-2. Human anti Human heat shock 70 kDa protein 4 antibody detects a band of 110 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti heat shock 70 kDa protein 4 detects a band of approximately 110 kDa in MCF7 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg MCF7 lysate lyophilized in RIPA buffer
Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
Shelf Life	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10040 #10561 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Human IgG F(ab')₂ (STAR126...) [HRP](#)

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