

## Datasheet: VPA00684KT

<b>Description:</b>	HEAT SHOCK 70 kDa PROTEIN 1-LIKE ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	HEAT SHOCK 70 kDa PROTEIN 1-LIKE
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	TRIS buffered glycine
<b>Preservative Stabilisers</b>	0.01% Thiomersal <50% Glycerol
<b>Immunogen</b>	Recombinant protein encompassing part of the middle of human heat shock 70 kDa protein 1-like
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P34931</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3305</a>   HSPA1L   <a href="#">Related reagents</a></p>

**Specificity**      **Rabbit anti Human heat shock 70 kDa protein 1-like antibody** recognizes the heat shock 70 kDa protein 1-like, also known as HSPA1L, heat shock 70 kDa protein 1-Hom or heat shock 70

kDa protein 1L1.

The HSPA1L gene encodes a 70 kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which also encode isoforms of the 70 kDa heat shock protein (provided by RefSeq, Jul 2008).

Rabbit anti Human heat shock 70 kDa protein 1-like antibody detects a band of 75 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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<b>Western Blotting</b>	Rabbit anti heat shock 70 kDa protein 1-like detects a band of approximately 75 kDa in HepG2 cell lysates
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<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
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<b>Lysate Composition</b>	400µg HepG2 lysate lyophilized in RIPA buffer.
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<b>Lysate Reconstitution</b>	- If using DDT reconstitute the lyophilized lysate with 190µl DI H <sub>2</sub> O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H <sub>2</sub> 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.
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<b>Storage</b>	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.
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<b>Shelf Life</b>	As supplied, 12 months from date of despatch
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<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20357 #10561 available at: Antibody (20357): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf</a> Lysate Material (10561): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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Printed on 02 Jan 2019

