

Datasheet: VPA00784

Description:	RABBIT ANTI HEAT SHOCK 70 kDa PROTEIN 5
Specificity:	HEAT SHOCK 70 kDa PROTEIN 5
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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
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

Rabbit polyclonal antibody purified by affinity chromatography on immunogen

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
 2% Sucrose

Immunogen

Synthetic peptide directed towards the middle region of human heat shock 70 kDa protein

External Database**Links****UniProt:**

[P11021](#) [Related reagents](#)

Entrez Gene:

[3309](#) HSPA5 [Related reagents](#)

Synonyms

GRP78

Specificity

Rabbit anti Human heat shock 70 kDa protein 5 antibody recognizes heat shock 70 kDa protein 5, also known as HSPA5, 78 kDa glucose-regulated protein or immunoglobulin heavy chain-binding protein.

The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell (provided by RefSeq, Sep 2010).

Rabbit anti Human heat shock 70 kDa protein 5 detects a band of 78 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti heat shock 70 kDa protein 5 antibody recognizes a band of approximately 78 kDa in Raji 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 #10045 available at:
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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