

Datasheet: VPA00059KT

Description:	GRP94 ANTIBODY WITH CONTROL LYSATE
Specificity:	GRP94
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	20µl Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	<p>0.02% Sodium Azide (NaN₃)</p> <p>0.5% Bovine Serum Albumin</p>
Immunogen	Peptide with sequence C-KEGVKFDSEKTKE from the internal region of the protein

sequence.

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

[P14625](#) [Related reagents](#)

Entrez Gene:

[7184](#) HSP90B1 [Related reagents](#)

Synonyms

GRP94, TRA1

Specificity

Goat anti Human GRP94 antibody recognizes GRP94 a 94 kDa glucose regulated protein (GRP94), also known as tumor rejection antigen 1 (TRA1), heat shock protein 90 kDa beta member 1 (HSP90B1) and endoplasmic reticulum resident molecular chaperone, which is a paralog of cytoplasmic hsp90. GRP94 assists in the folding of membrane-bound proteins including the toll-like receptors, certain subclasses of integrins and some secreted proteins such as IgG.

Goat anti Human GRP94 detects GRP94 as a band of 100 kDa in a wide range of human cell line lysates tested. Cross reactivity with rodent cell lines is also observed.

Western Blotting

Goat anti GRP94 detects a band of approximately 100 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 H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, 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.

Guarantee

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 #10058 #10561 available at:
Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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