Datasheet: VPA00059K

Description:	GRP94 ANTIBODY WITH CONTROL LYSATE
Specificity:	GRP94
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	10 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

100µl Goat polyclonal antibody purified by affinity chromatography

Buffer Solution

TRIS buffered saline

Preservative Stabilisers

0.02% Sodium Azide (NaN_3)
0.5% Bovine Serum Albumin

Immunogen

Peptide with sequence C-KEGVKFDESEKTKE 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 endoplasmin. GRP94 is an 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 H_2O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H_2O, 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 #10058 for antibody available at https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf Lysate Material Safety Datasheet Documentation #10561 available at 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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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