

## Datasheet: VMA00178KT

<b>Description:</b>	GRAP2 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	GRAP2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI1G2
<b>Isotype:</b>	IgG1
<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>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Full length recombinant human GRAP2 (NP_004801) produced in HEK293T cells
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**[9402](#)

GRAP2

[Related reagents](#)

<b>Synonyms</b>	GADS, GRB2L, GRID
<b>Specificity</b>	<p><b>Mouse anti Human GRAP2 antibody</b> recognizes GRB2-related adapter protein 2 (GRAP2), also known as GRB-2-like protein, GRB2-related protein with insert domain, SH3-SH2-SH3 adapter Mona, SH3-SH2-SH3 adaptor molecule, adapter protein GRID, grf-40, grf40 adapter protein, growth factor receptor-binding protein, growth factor receptor-bound protein 2-related adaptor protein 2, hematopoietic cell-associated adapter protein GrpL and hematopoietic cell-associated adaptor protein GRPL.</p> <p>Encoded by the GRAP2 gene and a member of the GRB2/Sem5/Drk family, GRB2-related adapter protein 2 is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), this protein contains an SH2 domain flanked by two SH3 domains. This protein interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains. Transcript variants utilizing alternative polyA sites exist (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human GRAP2 antibody detects a band of 37 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti GRAP2 detects a band of approximately 37 kDa in Jurkat cell lysates.
<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.
<b>Lysate Composition</b>	400µg Jurkat lysate lyophilized in RIPA buffer.
<b>Lysate Reconstitution</b>	<p>- 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.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p>
<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>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.</p>
<b>Guarantee</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.

**Health And Safety  
Information**

Material Safety Datasheet documentation #10048 #10561 available at:  
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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 Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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