

## Datasheet: VPA00367

<b>Description:</b>	RABBIT ANTI RPS3
<b>Specificity:</b>	RPS3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 2% Sucrose
<b>Immunogen</b>	Synthetic peptide corresponding to the C-terminal region of human RPS3

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**External Database****Links****UniProt:**[P23396](#)[Related reagents](#)**Entrez Gene:**[6188](#)

RPS3

[Related reagents](#)

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**Specificity**

**Rabbit anti Human RPS3 antibody** recognizes RPS3, also known as 40S ribosomal protein S3 and IMR-90 ribosomal protein S3.

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. The RPS3 gene encodes a ribosomal protein that is a component of the 40S subunit, where it forms part of the domain where translation is initiated. RPS3 belongs to the S3P family of ribosomal proteins. mouse and rat RPS3 have an extra-ribosomal role as an endonuclease involved in the repair of UV-induced DNA damage. RPS3 appears to be located in both the cytoplasm and nucleus but not in the nucleolus. Higher levels of expression of RPS3 in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed. RPS3 is co-transcribed with the small nucleolar RNA genes U15A and U15B, located in its first and fifth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of RPS3 dispersed through the genome. Multiple alternatively spliced transcript variants encoding different isoforms have been found for RPS3 (provided by RefSeq, May 2012).

Rabbit anti Human RPS3 antibody detects a band of 27 kDa and has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti RPS3 detects a band of approximately 27 kDa in Jurkat cell lysate

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10045 available at:  
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751

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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](https://bio-rad-antibodies.com/datasheets)

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