

## Datasheet: VPA00492

<b>Description:</b>	RABBIT ANTI G3BP1
<b>Specificity:</b>	G3BP1
<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.

#### 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 prepared by affinity chromatography on Protein A.

#### Buffer Solution

Phosphate buffered saline.

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
 2% Sucrose.

#### Immunogen

Synthetic peptide directed towards the N terminal region of human G3BP1

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**External Database****Links****UniProt:**[Q13283](#)    [Related reagents](#)**Entrez Gene:**[10146](#)    G3BP1    [Related reagents](#)

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**Synonyms**

G3BP

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**Specificity**

**Rabbit anti Human G3BP1 antibody** recognizes G3BP1 also known as, Ras GTPase-activating protein-binding protein 1, ATP-dependent DNA helicase VIII, G3BP-1, GAP SH3 domain-binding protein 1, GAP binding protein, Ras-GTPase-activating protein SH3-domain-binding protein or RasGAP-associated endoribonuclease G3BP.

G3BP1 gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3'-tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. It binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. Several alternatively spliced transcript variants of G3BP1 have been described, but the full-length nature of some of these variants has not been determined (provided by RefSeq, Jul 2008).

Rabbit anti Human G3BP1 antibody detects a band of 68 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti G3BP1 detects a band of approximately 68 kDa in Jurkat cell lysates.

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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**    Tel: +1 800 265 7376**America**    Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

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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://www.bio-rad-antibodies.com/datasheets)

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