

Datasheet: VPA00492

BATCH NUMBER 160712

Description:	RABBIT ANTI G3BP1
Specificity:	G3BP1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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 (NaN₃)
2% Sucrose.

Immunogen Synthetic peptide directed towards the N terminal region of human G3BP1

External Database

Links

UniProt:

[Q13283](#)

[Related reagents](#)

Entrez Gene:

[10146](#)

G3BP1

[Related reagents](#)

Synonyms

G3BP

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.

Western Blotting

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

Storage

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

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety

Information

Material Safety Datasheet documentation #10045 available at:

<https://www.bio-rad-antibodies.com/SDS/VPA00492>

Antibody (10045)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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