

Datasheet: VPA00760

**BATCH NUMBER 170515**

<b>Description:</b>	RABBIT ANTI BDNF
<b>Specificity:</b>	BDNF
<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

Based on sequence similarity, is expected to react with: Mammals

**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 purified by affinity chromatography on immunogen

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

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

2% Sucrose

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**Immunogen** Synthetic peptide corresponding to a portion of the middle region of human BDNF

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**External Database Links**

**UniProt:**

[P23560](#)   [Related reagents](#)

**Entrez Gene:**

[627](#) BDNF   [Related reagents](#)

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**Specificity**

**Rabbit anti Human BDNF antibody** recognizes brain-derived neurotrophic factor (BDNF), also known as ANON2, BULN2, abrinurion and neurotrophin.

This gene encodes a member of the nerve growth factor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. Binding of this protein to its cognate receptor promotes neuronal survival in the adult brain. Expression of this gene is reduced in Alzheimer's, Parkinson's, and Huntington's disease patients. This gene may play a role in the regulation of the stress response and in the biology of mood disorders (provided by RefSeq, Nov 2015).

Rabbit anti Human BDNF antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti BDNF antibody recognizes a band of approximately 28 kDa in HeLa cell lysates

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**References**

1. Gulfo, J. *et al.* (2021) Corticosteroid-binding-globulin (CBG)-deficient mice show high pY216-GSK3 $\beta$  and phosphorylated-Tau levels in the hippocampus. [PLoS One. 16 \(2\): e0246930.](#)

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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: <https://www.bio-rad-antibodies.com/SDS/VPA00760>  
Antibody (10045)

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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

**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

To

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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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