

## Datasheet: 4650-0204

<b>Description:</b>	RABBIT ANTI BOVINE GFAP
<b>Specificity:</b>	GFAP
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 ml

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/50 - 1/250
ELISA			▪	
Western Blotting	▪			1/500 - 1/1000
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

### Target Species

Bovine

### Species Cross Reactivity

Reacts with: Human, Rat, Dog, Mouse, Cat

**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

Serum - liquid

### Preservative Stabilisers

0.02% Sodium Azide

### Immunogen

GFAP isolated from bovine spinal cord

**External Database  
Links**

**UniProt:**

[Q28115](#)    [Related reagents](#)

**Entrez Gene:**

[281189](#)    GFAP    [Related reagents](#)

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**RRID**                      AB\_619973

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**Specificity**                      **Rabbit anti Bovine Glial Fibrillary Acidic Protein antibody** recognizes bovine glial fibrillary acidic protein (GFAP), an intermediate filament protein found only in glial cells or cells of glial origin (e.g. astrocytes, ependymal cells and Schwann cells). Rabbit anti Bovine Glial Fibrillary Acidic Protein antibody stains only astrocytes in formalin-fixed paraffin embedded rat brain cerebellum.

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**References**

1. Rodríguez-Pérez, L.M. *et al.* (2003) Immunocytochemical characterisation of the wall of the bovine lateral ventricle. [Cell Tissue Res. 314:325-35.](#)
2. Farfel-Becker, T. *et al.* (2011) Spatial and temporal correlation between neuron loss and neuroinflammation in a mouse model of neuronopathic Gaucher disease. [Hum Mol Genet. 20 \(7\): 1375-86.](#)
3. Ben-David, O. *et al.* (2011) Encephalopathy caused by ablation of very long acyl chain ceramide synthesis may be largely due to reduced galactosylceramide levels. [J Biol Chem. 286 \(34\): 30022-33.](#)
4. Fang, L. *et al.* (2012) The role and mechanism of action of activin A in neurite outgrowth of chicken embryonic dorsal root ganglia. [J Cell Sci. 125 \(Pt 6\): 1500-7.](#)
5. Santoyo-zedillo, M. *et al.* (2017) Neurogenesis in the olfactory bulb induced by paced mating in the female rat is opioid dependent. [PLoS One. 12 \(11\): e0186335.](#)

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**Storage**                              Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**                            12 months from date of despatch.

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**Health And Safety  
Information**                          Material Safety Datasheet documentation #10081 available at:  
10081: <https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf>

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**Regulatory**                            For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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