

## Datasheet: 0016-0104

<b>Description:</b>	SHEEP ANTI ACETAMINOPHEN
<b>Specificity:</b>	ACETAMINOPHEN
<b>Other names:</b>	PARACETAMOL
<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
Immunohistology - Paraffin	▪			
Western Blotting		▪		
Immunoassay	▪			

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.

<b>Target Species</b>	Chemical
<b>Product Form</b>	Serum - liquid
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	P-Aminophenol hemisuccinide conjugated to Keyhole Limpet Hemocyanin.

**Specificity** **Sheep anti acetaminophen antibody** recognizes acetaminophen, a commonly used analgesic and antipyretic.

Sheep anti acetaminophen antibody is suitable for use in polarization fluoroimmunoassays ([Coxon et al. 1988](#)). Sheep anti acetaminophen antibody has also been used successfully for the demonstration of bound acetaminophen adducts in the liver of mice by immunohistochemistry on formalin fixed, paraffin embedded tissue sections ([Scheiermann et al. 2013](#)).

### References

- Gallacher, G. *et al.* (1988) Design of the immunogen and label for use in a fluoroimmunoassay for paracetamol. [Ann Clin Biochem. 25: 42-48.](#)
- Coxon, R. *et al.* (1988) Development of a specific polarisation fluoroimmunoassay for paracetamol in serum. [Ann Clin Biochem. 25: 49-52](#)
- Scheiermann, P. *et al.* (2013) Application of Interleukin-22 Mediates Protection in Experimental

Acetaminophen-Induced Acute Liver Injury. [Am J Pathol. pii: S0002-9440\(13\)00019-9](#).  
4. Cernat, A. *et al.* (2015) Nanostructured Platform Based on Graphene-Polypyrrole Composite for Immunosensor Fabrication [Int. J. Electrochem. Sci., 10 \(2015\) 4718 - 31](#)

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<b>Storage</b>	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.
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10081 available at: 10081: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[FITC](#), [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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