

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>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	P-Aminophenol hemisuccinide conjugated to Keyhole Limpet Hemocyanin.
<b>RRID</b>	AB_619644

### 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](#)).

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#### References

1. Gallacher, G. *et al.* (1988) Design of the immunogen and label for use in a fluoroimmunoassay for paracetamol. [Ann Clin Biochem. 25: 42-48.](#)
2. Coxon, R. *et al.* (1988) Development of a specific polarisation fluoroimmunoassay for paracetamol in serum. [Ann Clin Biochem. 25: 49-52](#)
3. 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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#### Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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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

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [HRP](#)

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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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