

Datasheet: AHP2405

**BATCH NUMBER 172544**

<b>Description:</b>	RABBIT ANTI BrdU
<b>Specificity:</b>	BrdU
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## 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 (1)	▪			1/50 - 1/100
Immunohistology - Paraffin	▪			1/100 - 1/500
Immunofluorescence (2)	▪			1/100 - 1/500
Immunocytochemistry	▪			1/500

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 appropriate negative/positive controls.

(1)Flow Cytometry protocols can be found at:

[BrdU Staining of Cells with Rabbit Anti-BrdU Antibody by Flow Cytometry.](#)

(2)BrdU labeling and immunostaining protocol can be found at:

[www.bio-rad-antibodies.com/rabbit-brdu-labeling-and-immunostaining-protocol](http://www.bio-rad-antibodies.com/rabbit-brdu-labeling-and-immunostaining-protocol)

**Target Species** Chemical

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to BrdU was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** <0.1% Sodium Azide (NaN<sub>3</sub>)

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Bromodeoxyuridine conjugated to KLH
<b>Specificity</b>	<p><b>Rabbit anti BrdU antibody</b> recognizes bromodeoxyuridine (known as BrdU or BrdUrd). BrdU is a synthetic thymidine analog, which when added to cell culture media can be incorporated into the DNA of replicating cells as a substitute for thymidine. This characteristic combined with the ease of detecting incorporated BrdU with the help of anti-BrdU antibodies has resulted in establishing BrdU as a key tool for the visualization of cells in the S-Phase of the cell cycle.</p> <p>BrdU is also commonly used <i>in vivo</i> for monitoring cell proliferation in model systems; BrdU can be administered via intraperitoneal injection, subcutaneous osmotic pump implants (<a href="#">Teskaiqi et al. 2004</a>) or in drinking water (<a href="#">Moser et al. 2004</a>).</p>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2405">https://www.bio-rad-antibodies.com/SDS/AHP2405</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[PUREBLU™ DAPI \(1351303\)](#)

[READIDROP™ PROPIDIUM IODIDE \(1351101\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

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