

Datasheet: AHP2405

Description:	RABBIT ANTI BrdU
Specificity:	BrdU
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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

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	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Bromodeoxyuridine conjugated to KLH

Specificity **Rabbit anti BrdU antibody** 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.

BrdU is also commonly used *in vivo* for monitoring cell proliferation in model systems; BrdU can be administered via intraperitoneal injection, subcutaneous osmotic pump implants ([Tesaïqzi et al. 2004](#)) or in drinking water ([Moser et al. 2004](#)).

The cross reactivity of Rabbit anti BrdU antibody to other thymidine analogs, such as 5'-chloro-2'-deoxyuridine (CldU), 5'-iodo-2'-deoxyuridine (IdU) and 2'-deoxy-5-ethynyluridine (EdU) has not been analyzed. However, the antibody does not appear to detect endogenous thymidine.

Storage	Store at -20°C only. 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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#)

Recommended Useful Reagents

[PUREBLU™ DAPI \(1351303\)](#)

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

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