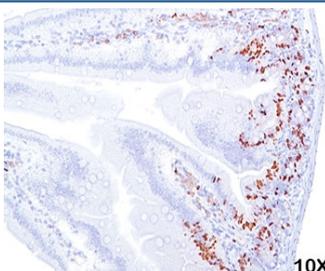


## BrdU Antibody [clone BRD469] (V2321)

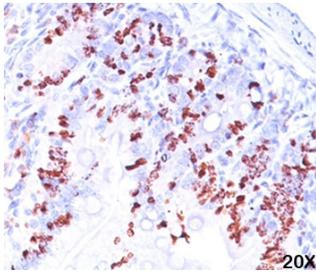
Catalog No.	Formulation	Size
V2321-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2321-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2321SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

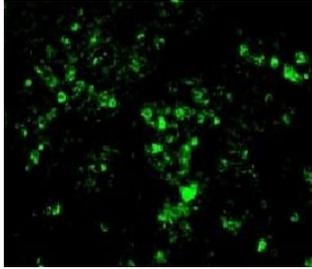
<b>Species Reactivity</b>	All species
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	BRD469
<b>Purity</b>	Protein G affinity chromatography
<b>Buffer</b>	1X PBS, pH 7.4
<b>Gene ID</b>	Not Applicable
<b>Localization</b>	Nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Immunofluorescence : 1-3ug/ml
<b>Limitations</b>	This <b>BrdU antibody</b> is available for research use only.



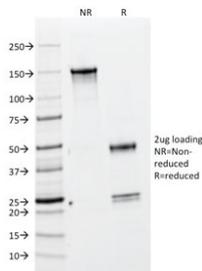
IHC staining of mouse intestine tissue (10X) with BrdU antibody (BRD469).



IHC staining of mouse intestine tissue (20X) with BrdU antibody (BRD469).



IHC/IF testing of FFPE rat kidney with Alexa Fluor 488 conjugated BrdU antibody.



SDS-PAGE analysis of purified, BSA-free BrdU antibody (clone BRD469) as confirmation of integrity and purity.

## Description

It reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU. BrdU is a thymidine analog, incorporated into cell nuclei during DNA synthesis prior to mitosis. Antibody to Bromodeoxyuridine is helpful in detecting S-phase cells, providing useful information on the aggressiveness of tumors.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Bromodeoxyuridine antibody to be titrated up or down for optimal performance.

1. For staining of formalin-fixed tissues, incubate sections in 4N HCl for 30 minutes at RT followed by digestion with trypsin at 1mg/ml PBS, 10 min at 37°C.

## Immunogen

Bromodeoxyuridine conjugated to KLH was used as the immunogen.

## Storage

Store the BrdU antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

## Alternate Names

Bromodeoxyuridine, BUdr, BrdU antibody

## References (2)