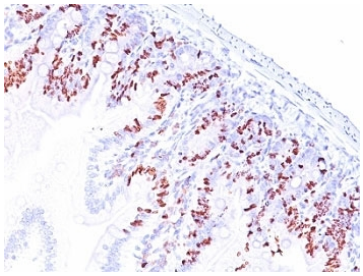
Anti-BrdU Antibody [clone SPM537] (V9121)

Catalog No.	Formulation	Size
V9121-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9121-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9121SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9121IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	All species
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM537
Purity	Protein G affinity chromatography
UniProt	Not Applicable
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-BrdU antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded mouse small intestine stained with anti-BrdU antibody (SPM537).

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 BrdU is helpful in detecting S-phase cells, providing useful information on the aggressiveness of tumors.

Application Notes

The optimal dilution of the anti-BrdU antibody for each application should be determined by the researcher.

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 37oC.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Bromodeoxyuridine was used as the immunogen for this anti-BrdU antibody.

Storage

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