OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF190129

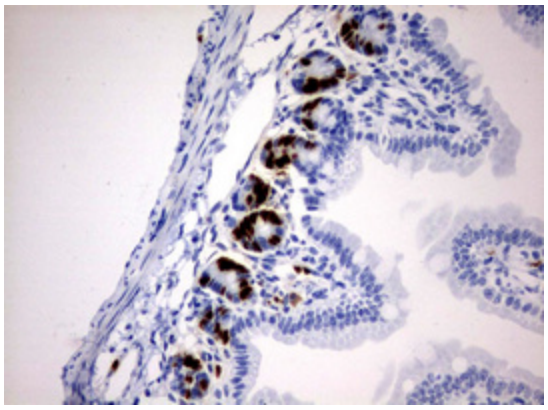
IdU Mouse Monoclonal Antibody [Clone ID: OTI2B10]

Product data:

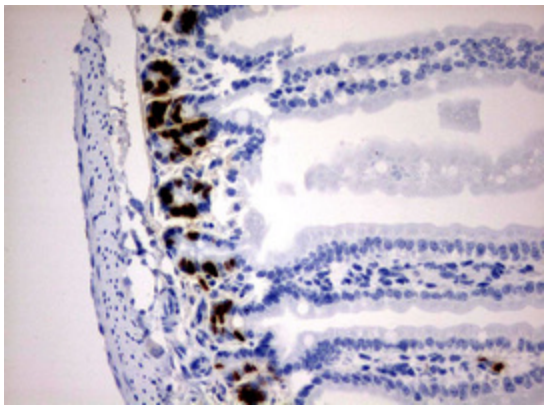
Product Type:	Primary Antibodies
Clone Name:	OTI2B10
Applications:	IF, IHC
Recommended Dilution:	IHC 1:150, IF 1:150
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Iododeoxyuridine coupled to keyhole limpet hemocyanin.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Note:	5-chloro-2'-deoxyuridine (ClDU), 5-bromo-2'-deoxyuridine (BrdU), 5-iodo-2'-deoxyuridine (IdU) and 5-ethynyl-2'-deoxyuridine (EdU) are nucleoside analogs of thymidine. Cells that treated with these analogs will incorporate the chemicals into the genomic DNA during S-phase. Immunochemical method detection of these analogs is thus used to quantify the cell proliferation, cell cycle status in vitro or in vivo. Since the thymidine analogs can be passed onto the daughter cells, they can also used to trace dividing cell fate in a short period of time over 3 generations. In addition, combination of different analogs and their specific antibodies can be used to trace cell fate in different time frames.

View online »

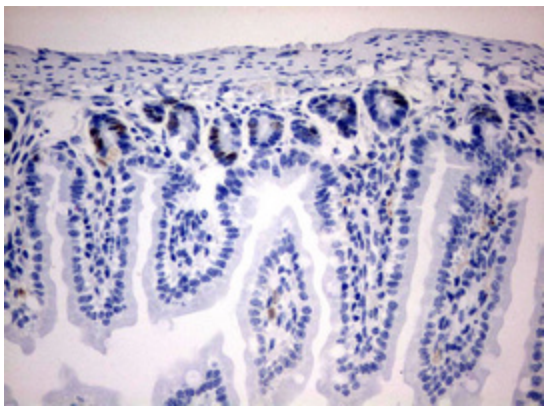
Product images:



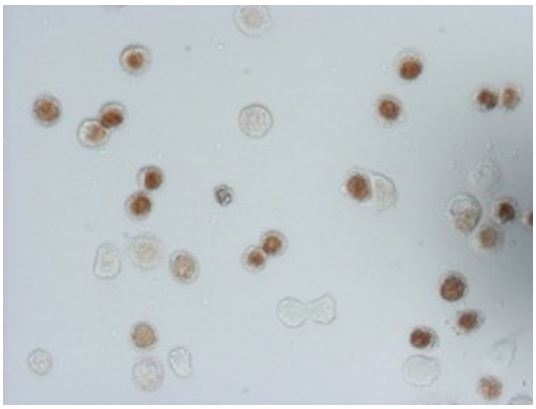
Immunohistochemical staining of paraffin-embedded colon tissue from BrdU injected mouse using anti-IDU mouse monoclonal antibody. ([TA190129])



Immunohistochemical staining of paraffin-embedded colon tissue from IDU injected mouse using anti-IDU mouse monoclonal antibody. ([TA190129])



Immunohistochemical staining of paraffin-embedded colon tissue from CLDU injected mouse using anti-IDU mouse monoclonal antibody. ([TA190129])



Immunocytochemistry staining of HT-29 cells pulsed with 5-iodo-2'-deoxyuridine (IdU)using mouse monoclonal anti-IDU antibody (1:150)