

Product datasheet

Anti-IdU antibody [OTI2F8] ab187742

★★★★★ [1 Abreviews](#) [2 References](#) [2 Images](#)

Overview

Product name	Anti-IdU antibody [OTI2F8]
Description	Rat monoclonal [OTI2F8] to IdU
Host species	Rat
Specificity	ab187742 has been shown to cross react with BrdU. Cross-reactivity with other similar molecules has not been tested.
Tested applications	Suitable for: IHC-P
Immunogen	Chemical/ Small Molecule corresponding to IdU conjugated to Keyhole Limpet Haemocyanin (KLH).
Positive control	Colon tissue from IdU injected mouse.
General notes	<p>The clone number has been updated from 2F8 to OTI2F8, both clone numbers name the same clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
Purity	Protein A purified
Purification notes	ab187742 is purified from cell culture supernatant by affinity chromatography.
Clonality	Monoclonal

Clone number OT12F8
Isotype IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab187742 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

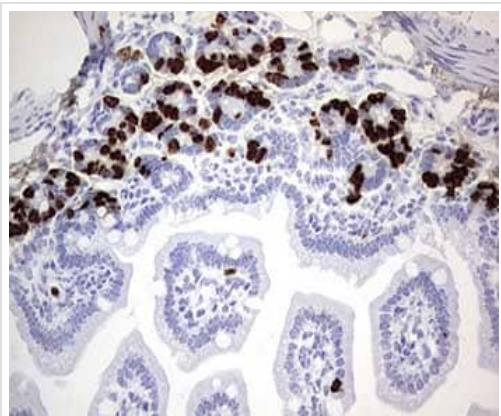
Application	Abreviews	Notes
IHC-P		1/150.

Target

Relevance

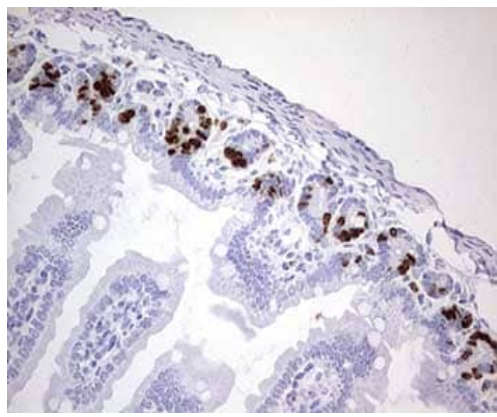
Iododeoxyuridine (5-Iodo-2'-deoxyuridine, IdU) is a synthetic thymidine nucleoside analog. IdU, like BrdU thymidine analog, is used to allow the detection of growing or proliferating cells in living tissues. During the S-phase of cell division, DNA replication occurs, and IdU can be incorporated into the newly synthesized DNA by substituting for naturally occurring thymidine. Antibodies specific for IdU are subsequently used to detect the incorporated IdU thymidine analog. This highlights cells that were actively replicating their DNA and is suggestive of actively growing cells. Antibody binding usually requires the DNA to be denatured, typically by exposing the cells to acid or heat.

Images



Immunohistochemical analysis of paraffin-embedded colon tissue from IdU injected mouse, labeling IdU with ab187742 at 1/150 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IdU antibody [OT12F8] (ab187742)



Immunohistochemical analysis of paraffin-embedded colon tissue from BrdU injected mouse, labeling IdU with ab187742 at 1/150 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IdU antibody [OT12F8] (ab187742)

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