

Product datasheet

Anti-IdU antibody [OTI2F8] ab187742

★★★★★ 1 Abreviews 1 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>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as 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

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.

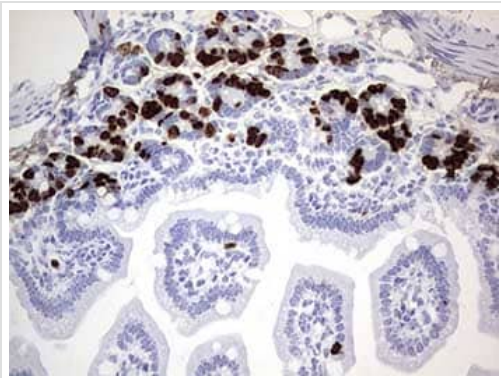
Application	Abreviews	Notes
IHC-P		1/150.

Target

Relevance

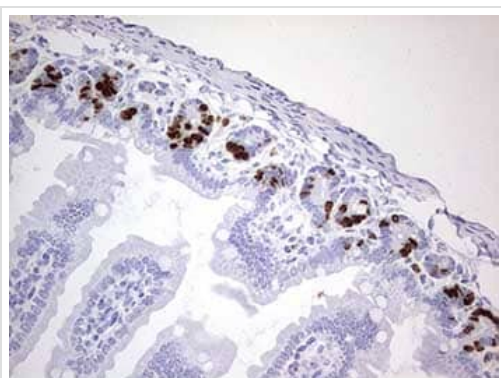
Iododeoxyuridine (5-Iodo-2'-deoxyuridine, IdU) is a synthetic thymidine nucleoside analog. IdU, like BrdU thymidine analog, is used to allow the detection of growing or proliferating cells in living tissues. During the S-phase of cell division, DNA replication occurs, and IdU can be incorporated into 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



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

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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