Product datasheet

Anti-BrdU antibody ab152095

Overview

Product name  Anti-BrdU antibody
Description  Rabbit polyclonal to BrdU
Host species  Rabbit
Tested applications  Suitable for: ICC/IF, IHC-P
Immunogen  Chemical/ Small Molecule corresponding to BrdU.
Positive control  HeLa cells treated with 100µM BrdU for 4hrs.
General notes  This antibody has so far been only tested in cultured cells (ICC/IF), but not with tissue sections (IHC).

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer  pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
 Constituents: 0.75% Glycine, 1.21% Tris, 20% Glycerol
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab152095 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td>1/100 - 1/1000.</td>
<td></td>
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<tr>
<td>IHC-P</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration. PubMed: 28397811</td>
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Relevance

The immunocytochemical detection of bromodeoxyuridine (BrdU) incorporated into DNA is a powerful tool to study the cytokinetics of normal and neoplastic cells. In vitro or in vivo labeling of tumor cells with the thymidine analogue BrdU and the subsequent detection of incorporated BrdU with specific anti-BrdU monoclonal antibodies is an accurate and comprehensive method to quantitate the degree of DNA-synthesis. BrdU is incorporated into the newly synthesized DNA of S-phase cells may provide an estimate for the fraction of cells in S-phase. Also dynamic proliferative information such as the S-phase transit rate and the potential doubling time can be obtained, by means of bivariate BrdU/DNA flow cytometric analysis.

Cellular localization

Nuclear

Images

Immunofluorescent analysis of paraformaldehyde-fixed HeLa cells treated with or without 100µM BrdU for 4 hours, labeling BrdU with ab152095 at 1/50 dilution. Lower images stained with Hoechst 33342.

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