Anti-Human Nestin Purified
Catalog Number: 14-9843

Product Information

<table>
<thead>
<tr>
<th>Contents: Anti-Human Nestin Purified</th>
<th>Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number: 14-9843</td>
<td>Temperature Limitation: Store at 2-8°C.</td>
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<tr>
<td>Clone: 10C2</td>
<td>Batch Code: Refer to vial</td>
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<td>Concentration: 0.5 mg/mL</td>
<td>Use By: Refer to vial</td>
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<tr>
<td>Host/Isotype: Mouse IgG1</td>
<td>Caution, contains Azide</td>
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</tbody>
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Description
The monoclonal antibody 10C2 recognizes human nestin (residues 1464-1614). Nestin is a 220-240 kDa Class VI intermediate filament protein that is expressed in stem cells of the developing nervous system. Expression has also been found in pancreatic islet and mesenchymal precursors in addition to cells with angiogenic potential. Upon differentiation, nestin-containing filaments are replaced by cell type-specific intermediate filament proteins, such as GFAP. Expression has been identified in a variety of cancerous cells including glioblastomas and pancreatic tumors. No cross-reactivity to rodent nestins has been observed using the 10C2 antibody.

Applications Reported
This 10C2 antibody has been reported for use in western blotting, immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, microscopy, and immunocytochemistry.

Applications Tested
This 10C2 antibody has been tested by western blot on SED-reduced and non-reduced lysates from U251 cells and can be used at less than or equal to 5 ug/mL. The 10C2 antibody has also been tested by immunocytochemistry on formaldehyde-fixed and permeabilized SKNSH cells and can be used at less than or equal to 5 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References


Related Products
00-4954 20X TBS Wash Buffer for IHC/ICC
00-4958 Fluoromount-G™
00-4959 Fluoromount-G™, with DAPI
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)
41-4010 F(ab')2 Anti-Mouse IgG eFluor® 570 (polyclonal)