# Gfap
Glial Fibrillary Acidic Protein in Mature Astrocytes

## Antibody Information

<table>
<thead>
<tr>
<th><strong>Clone ID</strong></th>
<th>GA-5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fluorophore</strong></td>
<td>AF647</td>
</tr>
<tr>
<td><strong>Antibody Concentration</strong></td>
<td>2 μg/mL</td>
</tr>
<tr>
<td><strong>Mono or Polyclonal</strong></td>
<td>Mono</td>
</tr>
<tr>
<td><strong>Host &amp; Isotype</strong></td>
<td>Mouse IgG1 Kappa</td>
</tr>
<tr>
<td><strong>Lot Tested</strong></td>
<td>2670-1PABX210525-070821-AF647</td>
</tr>
</tbody>
</table>

## Immunofluorescent Screening Information

<table>
<thead>
<tr>
<th><strong>Tissue Type</strong></th>
<th>FFPE Mouse brain</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section Thickness</strong></td>
<td>5 μm</td>
</tr>
<tr>
<td><strong>HIER</strong></td>
<td>10 min 100˚C</td>
</tr>
<tr>
<td><strong>Proteinase K Concentration</strong></td>
<td>1 μg/mL</td>
</tr>
<tr>
<td><strong>Fixation/Embedding</strong></td>
<td>FFPE</td>
</tr>
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</table>

## Vendor Information

<table>
<thead>
<tr>
<th><strong>Vendor</strong></th>
<th>Novus</th>
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</thead>
<tbody>
<tr>
<td><strong>Catalog Number/Web Link</strong></td>
<td>NBP2-33184AF647</td>
</tr>
</tbody>
</table>

## Legend

Gfap: cyan  
Map2: magenta  
SYTO83: blue  
Segmentation for Gfap: red

Gfap (cyan) localizes to astrocytes in mouse brain (left image). The expression pattern of these Gfap+ astrocytes can be isolated from Map2+ neuronal microtubules (magenta) through GeoMx segmentation (right image).

## Stained Image Data

<table>
<thead>
<tr>
<th><strong>Exposure Time</strong></th>
<th>300 ms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Signal-to-Noise</strong></td>
<td>12.64</td>
</tr>
<tr>
<td><strong>ROI Type</strong></td>
<td>Geometric or Segmented</td>
</tr>
</tbody>
</table>

*Recommendations above are meant to act as a starting point for your own experimental optimization*

For more information, please visit [nanostring.com/GeoMxDSP](http://nanostring.com/GeoMxDSP)