POLYCLONAL ANTI-CONJUGATED ACETYLCHOLINE ANTIBODIES (rabbit)

Data Sheet

Code number : AP049

Description
Polyclonal antisera were raised in rabbits after immunisation with the conjugates : Choline-glutaric anhydride (GA)-Carriers.

Specificity
Using a conjugate Choline-GA-Protein, antibodies specificity was performed with an ELISA test by competition experiments with the following compounds :

<table>
<thead>
<tr>
<th>Compound</th>
<th>Cross-reactivity ratio (a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choline-GA-PL</td>
<td>1</td>
</tr>
<tr>
<td>Phosphatidylcholine</td>
<td>1/&gt;10,000</td>
</tr>
<tr>
<td>Choline</td>
<td>1/&gt;10,000</td>
</tr>
<tr>
<td>Acetylcholine</td>
<td>1/&gt;10,000</td>
</tr>
<tr>
<td>Choline-allyl alcohol-G-BSA</td>
<td>1/1.6</td>
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</tbody>
</table>

(a) : Choline-GA-BSA concentration /unconjugated or conjugated analogs concentration at half displacement.

GA = Glutaric anhydride
PL = Poly lysine
BSA = Bovine Serum Albumin

Recommended dilution
The anti-conjugated Acetylcholine antibodies can be diluted between 1/2,000-1/5,000.

Applications
Immunohistochemistry, immunocytochemistry.

Storage and handling
Antisera are aliquoted (100µl) and stored at -20°C or lower. They are stable at least 2 years. Each aliquot can be defreezed up to 5 times. It can be prediluted 10X in PBS containing 0.1% merthiolate. This solution is stable at +4°C for 2 months.
Lyophilized antisera are stable at least 1 year. Antisera could be reconstituted with 100µl pure water when the solution is completely used. For a storage at +4°C, use pure water with 0.1% merthiolate. This solution is stable at +4°C for 2 months. For a storage at -20°C, a mixture of water /glycerol (vol./vol.) is preferred.

Corresponding antigen
Gemac sells the corresponding antigen:
Acetylcholine conjugate (code number: AG049)

References