**Product datasheet**

**Anti-Tenascin C antibody ab233198**

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Tenascin C antibody</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to Tenascin C</td>
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<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, IHC-P</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Rat</td>
</tr>
<tr>
<td></td>
<td>Predicted to work with: Mouse, Human</td>
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<tr>
<td>Immunogen</td>
<td>Recombinant fragment (His-tag) corresponding to Rat Tenascin C aa 175-342. N-terminal tag. Expressed in E.coli. Sequence: VCEPGWKGPNCSEPECPNGCNLRGQLDGCQICDQ GFTGEDCSQALCPND CNDQKCVNGCVCFEGYAGLDCGLEVCPVPCSEE HGMCVDGRVCVKDGFA GEDCNEPLCFCNNRGRCVENECVCDEGFTGED CSELICPNDLRG CRNGTCYCEEGFTGEDC</td>
</tr>
<tr>
<td></td>
<td>Database link: B2LYI9</td>
</tr>
<tr>
<td>Positive control</td>
<td>IHC-P: Rat testis tissue. WB: Recombinant rat Tenascin C protein; Rat placenta and stomach lysate.</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
</table>
| Storage buffer | pH: 7.4  
Preservative: 0.02% Sodium azide  
Constituents: PBS, 50% Glycerol |
| Purity    | Protein A purified                          |
| Purification notes | Antigen-specific affinity chromatography followed by Protein A affinity chromatography. |
Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab233198 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>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.2 - 2 µg/ml.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 5 - 20 µg/ml.</td>
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</tbody>
</table>

Target

Function
Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1, alpha-V/beta-3 and alpha-V/beta-6.

Sequence similarities
Belongs to the tenascin family.
Contains 15 EGF-like domains.
Contains 1 fibrinogen C-terminal domain.
Contains 15 fibronectin type-III domains.

Cellular localization
Secreted > extracellular space > extracellular matrix.

Images

Formalin-fixed, paraffin-embedded rat testis tissue stained for tenasin C using ab233198 at 20 µg/mL in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tenascin C antibody (ab233198)
Western blot - Anti-Tenascin C antibody (ab233198) at 1 µg/ml + Rat placenta tissue lysate

**Secondary**
HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 0.2 µg/ml

Western blot - Anti-Tenascin C antibody (ab233198) at 1 µg/ml + Rat stomach tissue lysate

**Secondary**
HRP-Linked Goat Anti-Rabbit IgG Polyclonal at 0.2 µg/ml

Western blot - Anti-Tenascin C antibody (ab233198) at 2 µg/ml + Recombinant rat Tenascin C protein

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