Anti-Tenascin C antibody [DB7] ab86182

Overview

Product name: Anti-Tenascin C antibody [DB7]
Description: Mouse monoclonal [DB7] to Tenascin C
Host species: Mouse
Specificity: ab86182 reacts with the fibrinogen like knob domain of Tenascin C.
Tested applications: Suitable for: ICC/IF, IHC-P, WB, IP
Species reactivity: Reacts with: Human
Immunogen: Full length native protein (purified) corresponding to Human Tenascin C. Tenascin polypeptides from spent culture supernatant of human fibroblasts isolated by affinity chromatography.
Positive control: WB: U-87 MG IHC-P: Human uterus tissue
General notes: ab86182 is derived from the hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Preservative: 0.1% Sodium azide
Constituents: 1% BSA, PBS
Purity: Protein G purified
Primary antibody notes: ab86182 is derived from the hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Clonality: Monoclonal
Clone number: DB7
Isotype: IgG2a

Applications

The Abpromise guarantee: Our Abpromise guarantee covers the use of ab86182 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
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<td>ICC/IF</td>
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<td>Use at an assay dependent concentration.</td>
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<td>IHC-P</td>
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<td>1/400.</td>
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<tr>
<td>WB</td>
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<td>1/1000. Predicted molecular weight: 241 kDa.</td>
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<tr>
<td>IP</td>
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<td>Use at an assay dependent concentration.</td>
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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
All lanes: Anti-Tenascin C antibody [DB7] (ab86182) at 1/1000 dilution

Lane 1: U-87 MG Treated BFA (5µg/mL, 6h) cell lysate
Lane 2: U-87 MG cell lysate

Performed under reducing conditions.

Predicted band size: 241 kDa

Exposure time: 20 seconds

ab86182 was shown to react with Tenascin C in western blot. Membranes were blocked in 2 % BSA in TBS-T (0.1 % Tween®) before incubation with ab86182 overnight at 4 °C at a 1 in 1000 dilution. Blots were incubated with HRP conjugated Goat anti-Mouse (H+L) secondary antibody at 1 in 5000 dilution for 1 hour at room temperature before development with Optiblot ECL reagent (ab133406) and imaging.

Immunohistochemical analysis of human uterus tissue labeling Tenascin C with ab98597 at 1/400 dilution.

Pretreated with enzymatic digestion 37°C for 10 minutes.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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