

FUJIFILM

Wako

Code No. 018-21781 (100 μ g)

Anti Human Tenascin-C, Rat Monoclonal Antibody 抗ヒトテネイシン-C, ラットモノクローナル抗体

Preparation : Monoclonal Anti Human Tenascin-C antibody is produced by hybridoma Clone 3-6C2, established by fusing mouse myeloma cells NS1 and spleen cells of Wistar rat immunized with tenascin-C, which is purified from the GIT medium culture supernatant of human myeloma cells A375, and Freund's complete adjuvant.

Preparation : Purified by Protein G affinity chromatography from the concentrate of culture supernatant and prepared in PBS solution (pH 7.2) containing 0.1 % sodium azide as a preservative.

Clone No. : 3-6C2

Subclass : IgG_{2a} · κ

Specificity : Reactive with human and mouse tenascin-C.

Epitope region : Repeated EGF like sequence

Concentration : 1 mg/mL

Working Concentration : Immunohistochemistry 1-5 μ g/mL

Usage :

1. Reagents

- Fixative solution
4 % Paraformaldehyde in 0.1 mol/L phosphate buffer
- Blocking solution
PBS (-) containing 1 % BSA and 5 % normal goat serum
- Mounting medium
0.05 mol/L TBS (pH 8.0), 90 % glycerol and 10 mg/mL DABCO

2. Method

- Fix the tissue by soaking in Fixative solution (A) at 4 °C overnight.
- Rinse the tissue by 0.1 mol/L phosphate buffer (pH 7.2) overnight for removing paraformaldehyde.
- Dehydrate the tissue in alcohol. Embed the tissue in the appropriate embedding medium (polyester wax, paraffin, etc.).
- Prepare the embedded sections.
- Dewax and hydrate the sections. Wash the sections with PBS 3 times.
- Incubate the sections with Blocking solution (B) in a humid box at room temperature for 30 minutes.
- Incubate the sections with Anti Human Tenascin-C, Monoclonal Antibody, which is adjusted the final concentration to 1-5 μ g/mL

with Blocking solution (B), in a humid box at room temperature for 1 hour.

- Wash the sections with PBS 3 times.
- Incubate the sections with anti rat IgG, rabbit, FITC conjugated in a humid box at room temperature for 1 hour.
- Wash the sections with PBS 3 times.
- Mount the sections with Mounting medium (C).

Trans *

- 組織を採取後、固定液 (A) にて、4 °Cで一晩浸漬固定する。
- 0.1mol/L リン酸緩衝液 (pH 7.2) で一晩リンスし、バラホルムアルデヒドを洗う。
- アルコール系列にて脱水後、適当な包埋剤 (ポリエステルワックス、パラフィンなど) に包埋する。
- 切片を作成する。
- 切片を脱ワックス後、水和し、PBSで3回程洗浄する。
- 各切片にブロッキング液 (B) を適量載せ、湿潤箱中で、室温で30分間反応させる。
- ブロッキング液 (B) にて最終濃度を 1-5 μ g/mL に調製した本品を、適量切片に載せ、湿潤箱中で、室温で1時間反応させる。
- PBSで3回程洗浄する。
- FITC 標識ウサギ抗ラット IgG を適量切片に載せ、湿潤箱中で、室温で1時間反応させる。
- PBSで3回程洗浄する。
- 封入剤 (C) で封入後、観察する。

[Storage] Store at -80°C.

[Package] 100 μ g

References :

- Hiraiwa, N. *et al.* : *J. Cell Sci.*, **104**, 289 (1993).
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- Sasano, H. *et al.* : *Modern Pathology*, **6**, 323 (1993).
- Settles, D. L. *et al.* : *J. Neurosci. Res.*, **47**, 109 (1997).
- Whitlon, D. S. *et al.* : *J. Comp. Neurol.*, **406**, 361 (1999).

* : **Trans** is the Japanese translation.

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