Datasheet for ABIN1742432

anti-TNC antibody

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Overview

Quantity:	200 µL
Target:	TNC
Reactivity:	Rat, Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Glycopeptidase F-treated tenascin from mouse brain. Epitope FNIII D domain
Clone:	578
Isotype:	IgG
Specificity:	Specific for tenascin-C splice variants carrying the FNIII D domain.
Purification:	hybridoma supernatant

Target Details

Target:	TNC
Alternative Name:	Tenascin-C (TNC Products)
Background:	Synonyms: TN-C, J1-200/220, Cytoactin
Pathways:	Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Skeletal Muscle Fiber Development

Application Details

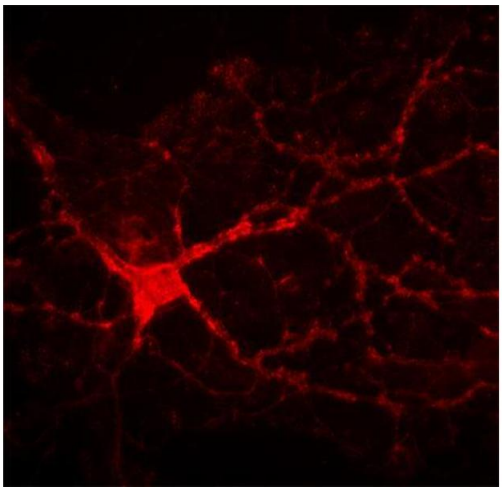
Application Notes:	1:10.000 recommended dilution
Comment:	Tenascin-C variants detected by this antibody are downregulated during development and hardly detectable in adult animals
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	For reconstitution add 200 µl H2O, then aliquot and store at -20°C until use.
Buffer:	PBS
Handling Advice:	When hybridoma supernatant is reconstituted, we usually add small amounts of azide or thimerosal to prevent microbial growth. Ascites should be stored frozen (-20 °C). Monoclonals usually do not suffer from repetitive freeze-thawing but you may aliquot them into small samples to avoid too many freeze-thaw cycles. Prolonged storage at 4 °C is not recommended! Unlike serum, ascites may contain proteases that will ultimately degrade the antibodies. Addition of protease inhibitors helps to slow degradation.
Storage:	-20 °C
Storage Comment:	Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years.

Publications

Product cited in:	Yeo, Ting, Brena, Koh, Chen, Toh, Lim, Oh, Lee: "Genome-Wide Transcriptome and Binding Sites Analyses Identify Early FOX Expressions for Enhancing Cardiomyogenesis Efficiency of hESC Cultures." in: **Scientific reports**, Vol. 6, pp. 31068, (2016) (PubMed).



Immunocytochemistry

Image 1. Indirect immunostaining of rat hippocampal neuron growing on astrocyte layer (dilution 1 : 200).

Western Blotting

Image 2. dilution: 1 : 1000, sample: brain homogenate from new born rats

