

## Basic Information

Product Name	Anti-Tenascin-C/TNC Antibody
Gene Name	TNC
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS , 0.02% Na <sub>3</sub> N , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Tenascin C(2021-2036aa DSMNYHNGRSFSTYDK), identical to the related rat sequence, and different from the related human sequence by two amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	241KD
Dilution Ratios	Western blot(WB):1:500-2000

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

TNC(Tenascin C), also known as TN or HXB, is a protein that in humans is encoded by the TNC gene. By means of Southern analysis of rodent-human somatic cell hybrids and by in situ hybridization using hexabrachion cDNA probes, Gulcher et al.(1990) localized the TNC gene to chromosome 9q32-q34. Olson and Srivastava(1996) reviewed processes involved in separation of the cardiac tube into the atria, ventricles, and outflow tract. They noted that tenascin is upregulated and NCAM is downregulated in the embryonic endocardial cushions. Gherzi et al.(1997) found that the TNC gene is subject to transcriptional control by OTX2.

## Selected Validation Data

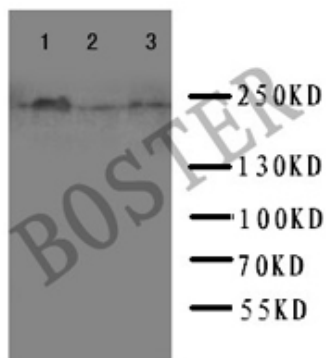


Figure 1. Western blot analysis of anti-TNC antibody (BA1428-2).The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: Rat brain tissue lysates,Lane 2: Rat liver tissue lysates,Lane 3:Rat spleen tissue lysates,Use rabbit anti-TNC 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for TNC at approximately 241KD. The expected band size for TNC is at 232KD.