Anti-Tenascin C Antibody [SU36-01] - BSA and Azide free

HA752007

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Cynomolgus monkey, Pig
Applications:	WB, IHC-P, IHC-Fr, IF-Tissue
Molecular Wt:	Predicted band size: 241 kDa
Clone number:	SU36-01

Description: Tenascin C (TN-C) is a glycoprotein that in humans is encoded by the TNC gene. Expression of TN-C changes from development to adulthood. TN-C is highly expressed during embryogenesis and is briefly expressed during organogenesis, while in developed organs, expression is absent or in trace amounts. In the developing central nervous system, TN-C is involved in regulating the proliferation of both oligodendrocyte precursor cells and astrocytes. The regulation of TN-C is induced or repressed by a number of different factors that are expressed during embryonic tissue, as well as developed tissues during remodeling, injured, or neoplastic.

Immunogen: Synthetic peptide within Human Tenascin C aa 2,152-2,201 / 2,201.

Positive control: Human tonsil tissue, mouse embryonic cartilage tissue, mouse cerebellum tissue, rat cerebellum tissue, U-87 MG cell lysates.

Subcellular location: Extracellular matrix.

Database links: SwissProt: P24821 Human | Q80YX1 Mouse
Entrez Gene: 116640 Rat

Recommended Dilutions:

WB	1:2,000
IHC-P	1:200-1:500
IHC-Fr	1:200
IF-Tissue	1:500

Storage Buffer: PBS (pH7.4).

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Images

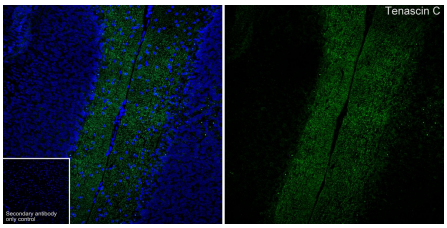

Fig1: Application: IHC-Fr

Species: Mouse

Site: Cerebellum

Sample: Frozen section

Antibody concentration: 1:500

Antigen retrieval: Recommend. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for about 2 minutes in microwave oven.

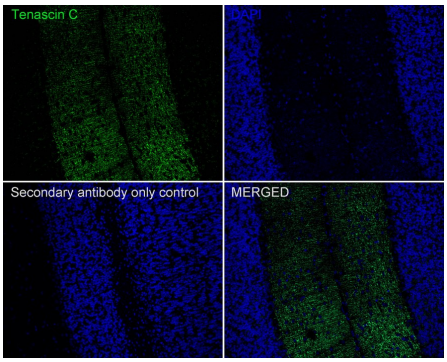

Fig2: Application: IF-tissue

Species: Mouse

Site: Cerebellum

Sample: Paraffin-embedded section

Antibody concentration: 1:500

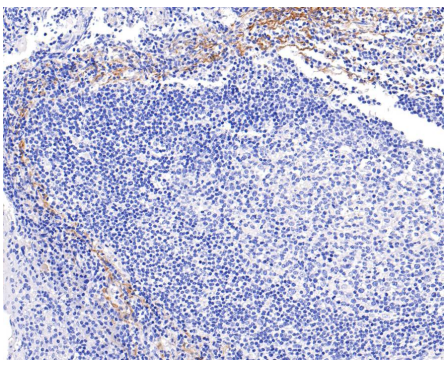

Fig3: Immunohistochemical analysis of paraffin-embedded human tonsil tissue with Rabbit anti-Tenascin C antibody (HA752007) at 1/400 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH_2O and PBS, and then probed with the primary antibody (HA752007) at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

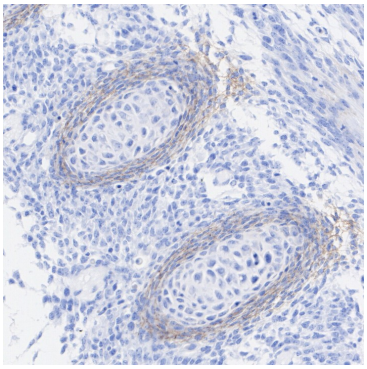

Fig4: Immunohistochemical analysis of paraffin-embedded mouse embryonic cartilage tissue with Rabbit anti-Tenascin C antibody (HA752007) at 1/500 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH_2O and PBS, and then probed with the primary antibody (HA752007) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

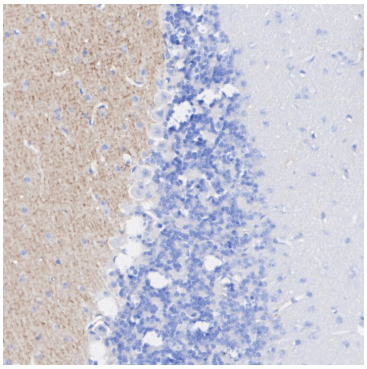

Fig5: Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue with Rabbit anti-Tenascin C antibody (HA752007) at 1/500 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH_2O and PBS, and then probed with the primary antibody (HA752007) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

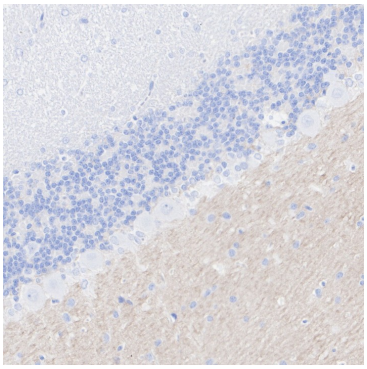

Fig6: Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue with Rabbit anti-Tenascin C antibody (HA752007) at 1/500 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH_2O and PBS, and then probed with the primary antibody (HA752007) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

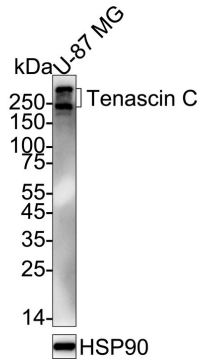

Fig7: Western blot analysis of Tenascin C on U-87 MG cell lysates with Rabbit anti-Tenascin C antibody (HA752007) at 1/2,000 dilution.

Lysates/proteins at 20 µg/Lane.

Predicted band size: 241 kDa
Observed band size: 241-350 kDa

Exposure time: 3 minutes; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA752007) at 1/2,000 dilution was used in 5% NFDM/TBST at 4℃ overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Background References

1. Govindarajan P et al. Bone matrix, cellularity, and structural changes in a rat model with high-turnover osteoporosis induced by combined ovariectomy and a multiple-deficient diet. Am J Pathol 184:765-77 (2014).
2. Su K et al. Induction of endometrial mesenchymal stem cells into tissue-forming cells suitable for fascial repair. Acta Biomater 10:5012-20 (2014).