

bs-1327R**[Primary Antibody]****BioSS**
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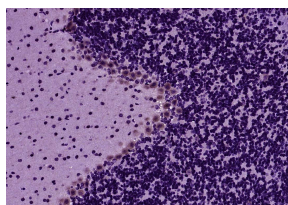
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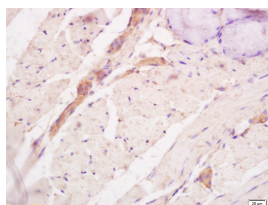
400-901-9800

Tenascin C Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 3371	SWISS: P24821	
Target: Tenascin C		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog)
Immunogen: KLH conjugated synthetic peptide derived from human Tenascin C: 2101-2201/2201.		
Purification: affinity purified by Protein A		Predicted MW.: 230 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted ,Extracellular matrix
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Tenascin, also known as hexabrachion and cytotactin, is an extracellular matrix protein with a spatially and temporally restricted tissue distribution. It is a hexameric, multidomain protein with disulfide linked subunits of 190 to 240 kD, originally characterized as 'myotendinous antigen.' In the embryo it is present in dense mesenchyme surrounding developing epithelia and in developing cartilage and bone. In the adult, tenascin remains present in tendons and myotendinous junctions in the perichondrium and periosteum, as well as in smooth muscle.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tenascin C) Polyclonal Antibody, Unconjugated (bs-1327R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat tongue tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Tenascin C(C terminal) Polyclonal Antibody, Unconjugated(bs-1327R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=18]** Li, Danmei. et al. Restoring tendon microenvironment in tendinopathy: Macrophage modulation and tendon regeneration with injectable tendon hydrogel and tendon-derived stem cells exosomes. BIOACT MATER. 2025 Jan22;47:152–169 IF ;rabbit. 39906648
- **[IF=10]** Wanqing Lun. et al. Fabrication of MnO₂-Modified Decellularized Tendon Membrane for Enhancing Tendon Repair. ADV HEALTHC MATER. 2024 Nov;;2402584 IHC ;Rat. 39491818
- **[IF=5.9]** Duliurui Huang. et al. Analysis of the heterogeneity and complexity of murine extraorbital lacrimal gland via

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- single-cell RNA sequencing. OCUL SURF. 2024 Jun;; IF ;Mouse. 38945476
- **[IF=2.566]** Yang Z et al. Tenascin-C is involved in promotion of cancer stemness via the Akt/HIF1 α axis in esophageal squamous cell carcinoma. Exp Mol Pathol. 2019 Mar 20. WB ;Human. 30904401
 - **[IF=2.813]** Lu, Kang. et al. N-Acetyl-L-cysteine facilitates tendon repair and promotes the tenogenic differentiation of tendon stem/progenitor cells by enhancing the integrin $\alpha 5/\beta 1$ /PI3K/AKT signaling. BMC MOL CELL BIOL. 2023 Dec;24(1):1-13 IF ;Rat. 36604630