

bs-5178R**[Primary Antibody]****Chondroitin Sulfate Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Species independent
Target: Chondroitin Sulfate		
Immunogen: Chondroitin sulfate sodium salt from bovine cartilage: purified.		
Purification: affinity purified by Protein A		Subcellular Location: Extracellular matrix
Concentration: 1mg/ml		
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: Chondroitin sulphate proteoglycans (CSPGs) are upregulated in the central nervous system after injury, specifically around the lesion site where the glial scar forms. CSPGs have been shown to be closely involved in this neuronal growth inhibition, specifically through their sugar chains. Chondroitin sulphate proteoglycans may also play a role in the repair of spinal cord injury.		

— SELECTED CITATIONS —

- **[IF=4.966]** Leixin Wei. et al. Chondroitin synthase - 3 regulates nucleus pulposus degeneration through actin - induced YAP signaling. Faseb J. 2020 Dec;34(12):16581-16600 IF ;Mouse. 33089528
- **[IF=3.7]** Esmond N. Geh. et al. A novel assay to measure low-density lipoproteins binding to proteoglycans. PLOS ONE. 2024 Jan;19(1):e0291632 ICC ;Mouse. 38295021
- **[IF=3.2]** Kexin Zhang. et al. Hydrogen sulfide alleviates endothelial glycocalyx damage and promotes placental angiogenesis in rats exposed to cigarette smoke. NITRIC OXIDE-BIOL CH. 2025 Feb;154:115 IF, WB ;Rat. 39645161
- **[IF=1.492]** Song et al. Extracellular diffusion quantified by magnetic resonance imaging during rat C6 glioma cell progression. (2017) Braz.J.Med.Biol.Res. 50:e5405 WB ;Rat. 28678913