

bs-25079R**[Primary Antibody]****BioSS**
ANTIBODIES

www.bioss.com.cn

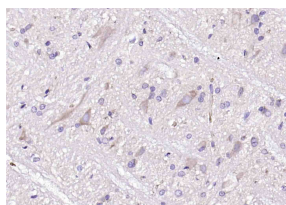
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

Plexin A1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:400-800) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 5361	SWISS: Q9UIW2	
Target: Plexin A1		Reactivity: Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human Plexin A1: 1551-1650/1896.		
Purification: affinity purified by Protein A		Predicted MW.: 206 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
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: Plexins are a family of large integral membrane proteins that complex with neuropilins to form semaphorin co-receptors. The extracellular region of plexins contain a semaphorin domain, multiple glycine rich motifs, and MET related sequences. The cytoplasmic region contains a Sex/Plexin domain and putative tyrosine phosphorylation sites that mediate signal transduction after activation. This region in Plexin A1 binds the RhoGTPases, Rnd1 and RhoD. Recruitment of Rnd1 has been implicated in the cytoskeletal collapse that occurs after semaphorin mediated activation of Plexin A1, while RhoD may block this collapsing activity through interaction with the cytoplasmic region of Plexin A1. The expression of Plexin A1, along with the co receptor Neuropilin 1, is upregulated in neurons after central nervous system injury. The axons from these neurons cannot cross semaphorin 3A containing regions at the site of injury. Thus, semaphorin 3A and its co-receptors, Plexin A1 and Neuropilin 1, may have significant roles in axon regeneration after neuronal injury.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat spinal cord); 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 (Plexin A1) Polyclonal Antibody, Unconjugated (bs-25079R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.