

bs-7520R**[Primary Antibody]****BioSS**
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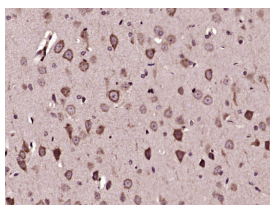
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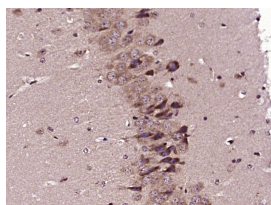
400-901-9800

SPON1 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 10418 Target: SPON1 Immunogen: KLH conjugated synthetic peptide derived from human SPON1/Fspondin: 741-807/807. Purification: affinity purified by Protein A 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: SPON1 is a member of a subgroup of the thrombospondin type 1 (TSR) class molecules, defined by two domains of homology, the FS1/FS2 and TSR domains. The TSRs of SPON1 proteins are typical of class 2 TSRs. SPON1, which is similar to thrombospondin, is a extracellular matrix attached molecule that promotes neurite outgrowth and inhibits angiogenesis. Analysis of gain and loss of function experiments reveal that SPON1 is required for accurate pathfinding of embryonic axons, and plays a dual role in patterning axonal trajectories. It promotes the outgrowth of commissural and inhibits the outgrowth of motor axons, and has also been implicated in inflammatory processes in the nervous system.	Isotype: IgG Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog) Predicted MW.: 86 kDa Subcellular Location: Secreted ,Extracellular matrix
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (SPON1) Polyclonal Antibody, Unconjugated (bs-7520R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (SPON1) Polyclonal Antibody, Unconjugated (bs-7520R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.419]** Maria Eduarda Scordamaia Lopes. et al. Obesity influences the proteome of periodontal ligament tissues following periodontitis induction in rats. 2022 Mar 04 IHC ;Rat. 35246839