

bsm-54090R**[Primary Antibody]**

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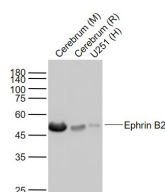
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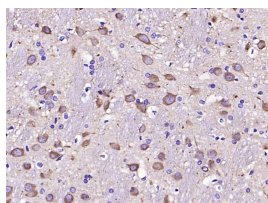
400-901-9800

Ephrin B2 Recombinant Rabbit mAb**— DATASHEET —**

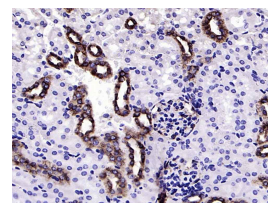
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000) IHC-P (1:400-800) IHC-F (1:400-800) IF (1:50-200) Reactivity: Human, Mouse, Rat Predicted MW.: 34 kDa Subcellular Location: Cell membrane
Clonality: Recombinant	CloneNo.: 3A7	
GeneID: 1948	SWISS: P52799	
Target: Ephrin B2		
Purification: affinity 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: This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug
 Lane 2: Cerebrum (Rat) Lysate at 40 ug
 Lane 3: U251 (Human) Cell Lysate at 30 ug
 Primary: Anti-Ephrin B2 (bsm-54090R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 45-50 kD
 Observed band size: 47 kD



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 (Ephrin B2) Monoclonal Antibody, Unconjugated (bsm-54090R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); 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 (Ephrin B2) Monoclonal Antibody, Unconjugated (bsm-54090R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.8]** Jiangang Han. et al. Transcriptome profiling of differentiating adipose-derived stem cells across species reveals new genes regulating adipogenesis. BBA-MOL CELL BIOL L. 2023 Aug;;159378 IF ;Sheep. 37572997
- **[IF=3.9]** Qianshi Zhang. et al. Ephrin B2 (EFNB2) potentially protects against intervertebral disc degeneration through inhibiting nucleus pulposus cell apoptosis. ARCH BIOCHEM BIOPHYS. 2024 Jun;;756:109990 IHC,WB ;Human. 38636690