

bs-23306R**[Primary Antibody]****Bioss**
ANTIBODIES

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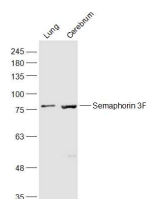
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Semaphorin 3F Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog)
GeneID: 6405	SWISS: Q13275	Predicted MW.: 88 kDa
Target: Semaphorin 3F		Subcellular Location: Secreted
Immunogen: KLH conjugated synthetic peptide derived from human Sema3F: 201-300/785.		
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: The semaphorins are a family of proteins that are involved in signaling. All the family members have a secretion signal, a 500-amino acid sema domain, and 16 conserved cysteine residues(Kolodkin et al., 1993 [PubMed 8269517]). Sequence comparisons have grouped the secreted semaphorins into 3 general classes, all of which also have an immunoglobulin domain. The semaphorin III family, consisting of human semaphorin III (SEMA3A; MIM 603961), chicken collapsin, and mouse semaphorins A, D, and E, all have a basic domain at the C terminus. Chicken collapsin contributes to path finding by axons during development by inhibiting extension of growth cones (Luo et al., 1993 [PubMed 8402908]) through an interaction with a collapsin response mediator protein of relative molecular mass 62K (CRMP62) (Goshima et al., 1995 [PubMed7637782]), a putative homolog of an axonal guidance associated UNC33 gene product (MIM 601168). SEMA3F is a secreted member of the semaphorin III family.		

VALIDATION IMAGES

Sample: Lung (Mouse) Lysate at 40 ug Cerebrum
(Mouse) Lysate at 40 ug Primary: Anti-Semaphorin 3F (bs-23306R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 88 kD
Observed band size: 88 kD

SELECTED CITATIONS

- **[IF=7.5]** Hee Ra Park. et al. Antiseizure effects of Lili Bulbus on pentylenetetrazol kindling-induced seizures in mice: Involvement of Reelin, Netrin-1, and semaphorin. BIOMED PHARMACOTHER. 2024 Apr;173:116385 WB ;Mouse. 38460369