

bs-1122R**[Primary Antibody]****Semaphorin 3F Rabbit pAb****BioSS**
ANTIBODIES

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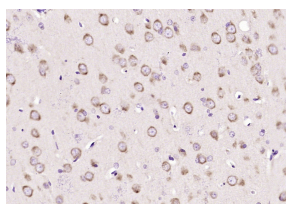
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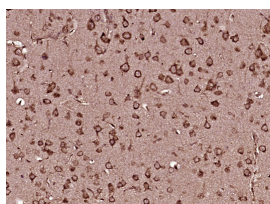
400-901-9800

— DATASHEET —

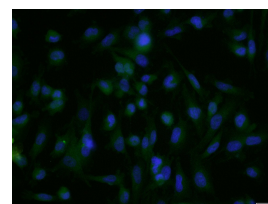
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 6405	SWISS: Q13275	IF (1:100-500)
Target: Semaphorin 3F		ICC/IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Sema3F: 651-754/754.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 88 kDa
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.		Subcellular Location: Secreted
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 —

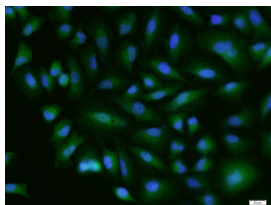
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Semaphorin 3F) Polyclonal Antibody, Unconjugated (bs-1122R) 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 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 (semaphorin 3F) Polyclonal Antibody, Unconjugated (bs-1122R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Cell culture(U251); Paraformaldehyde-fixed; Incubated by 0.3% Triton-100 for 20 min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (semaphorin 3F) Polyclonal Antibody, Unconjugated (bs-1122R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (bs-0295G-FITC) for 90 minutes and DAPI staining.



Cell culture(A549); Paraformaldehyde-fixed;
Incubated by 0.3% Triton-100 for 20 min;
Blocking buffer (normal goat serum) at 37°C for
30min; Antibody incubation with (semaphorin
3F) Polyclonal Antibody, Unconjugated
(bs-1122R) at 1:400 overnight at 4°C, followed by
a conjugated secondary antibody (bs-0295G-
FITC) for 90 minutes and DAPI staining.

— SELECTED CITATIONS —

- **[IF=3.24]** Se Eun Ha. et al. Transcriptome profiling of subepithelial PDGFR α cells in colonic mucosa reveals several cell-selective markers. PLOS ONE. 2022 May;17(5):e0261743 IHC ;Mouse. 35560163
- **[IF=1.92]** Ni, Qianwei, et al. "The neuropilins and their ligands in hematogenous metastasis from salivary adenoid cystic carcinoma-an immunohistochemical study." Journal of Oral and Maxillofacial Surgery (2017). IHC ;="Human". 28961428