



Rabbit Anti-Semaphorin 3F antibody

SL1122R

Product Name:	Semaphorin 3F
Chinese Name:	臂板蛋白3F抗体
Alias:	Semaphorin-3F; Semaphorin3F; Sema III/F; Sema IV; sema3F; SemaIII/F; SemaIV; Semaphorin IV; SemaphorinIV; SEM3F HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	88kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Sema3F:651-754/754
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:

May play a role in cell motility and cell adhesion.

Subunit:

Belongs to the semaphorin family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Sema domain.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed abundantly but differentially in a variety of neural and nonneural tissues. There is high expression in mammary gland, kidney, fetal brain, and lung and lower expression in heart and liver.

SWISS:

Q13275

Gene ID:

6405

Database links:

[Entrez Gene: 6405](#) Human

[Entrez Gene: 20350](#) Mouse

[Entrez Gene: 315996](#) Rat

[Omim: 601124](#) Human

[SwissProt: Q13275](#) Human

[SwissProt: O88632](#) Mouse

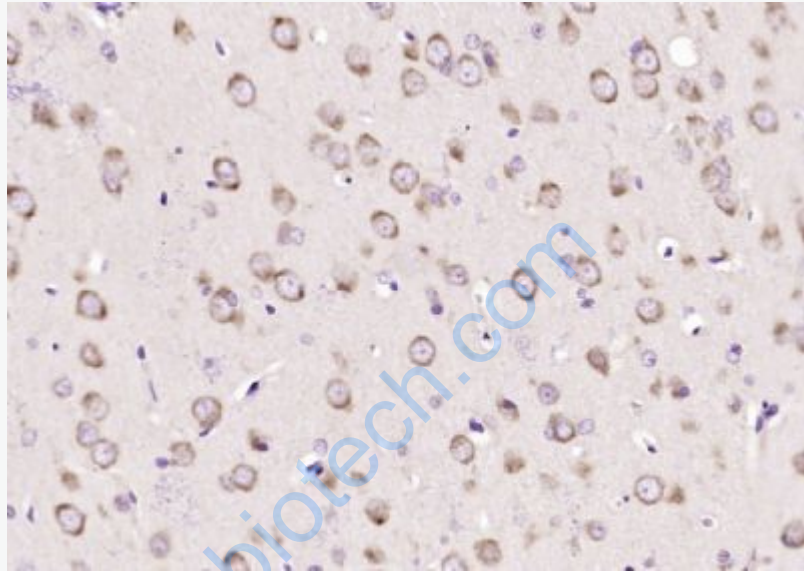
[Unigene: 32981](#) Human

[Unigene: 12903](#) Mouse

[Unigene: 205616](#) Rat

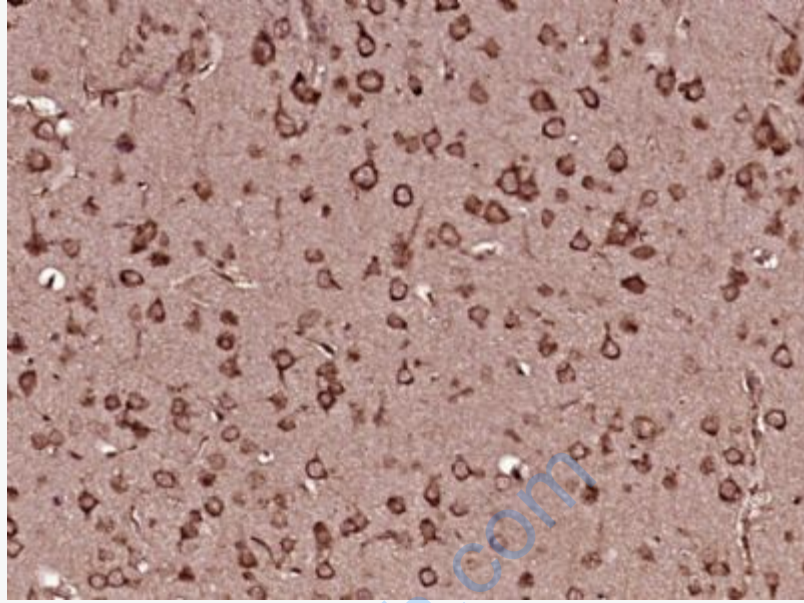
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

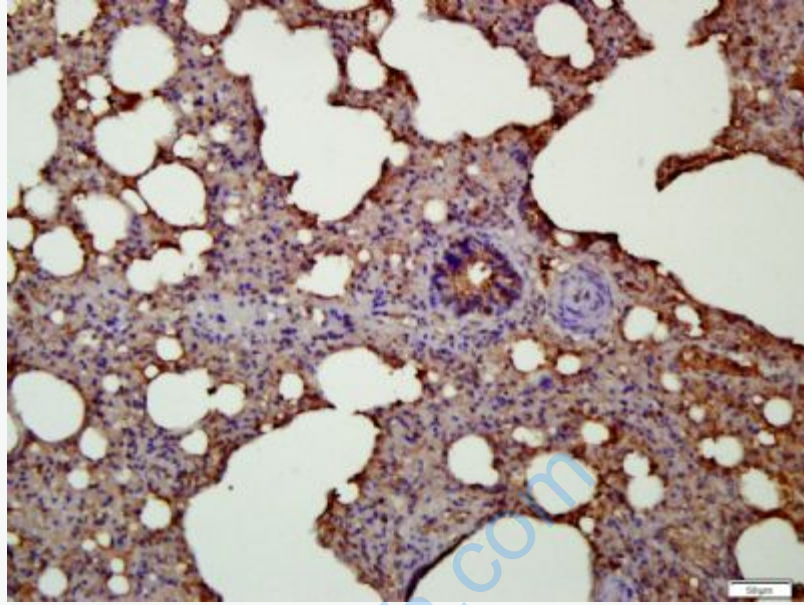


Picture:

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 (SL1122R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



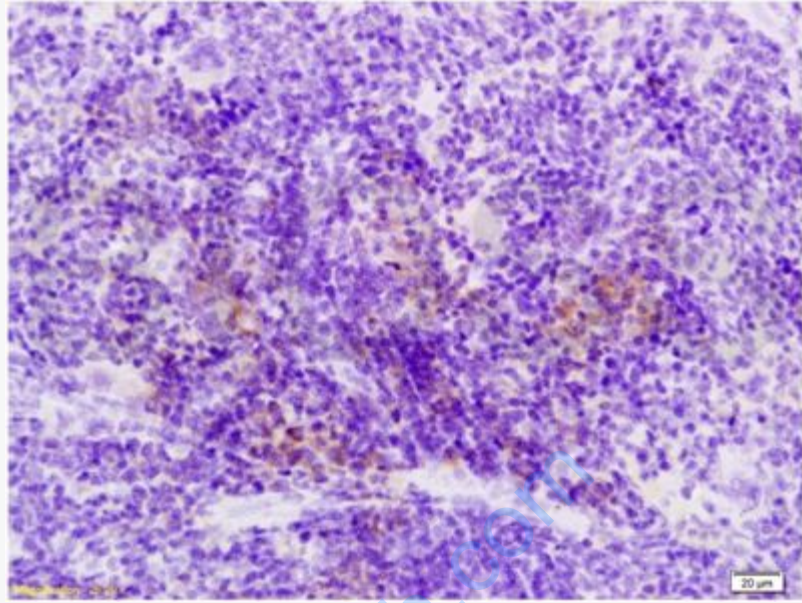
Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (semaphorin 3F) Polyclonal Antibody, Unconjugated (SL1122R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



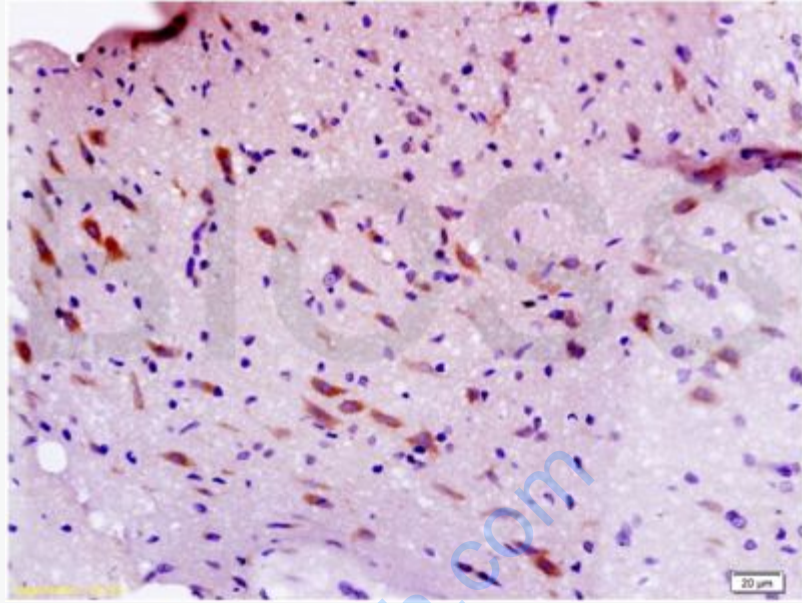
Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

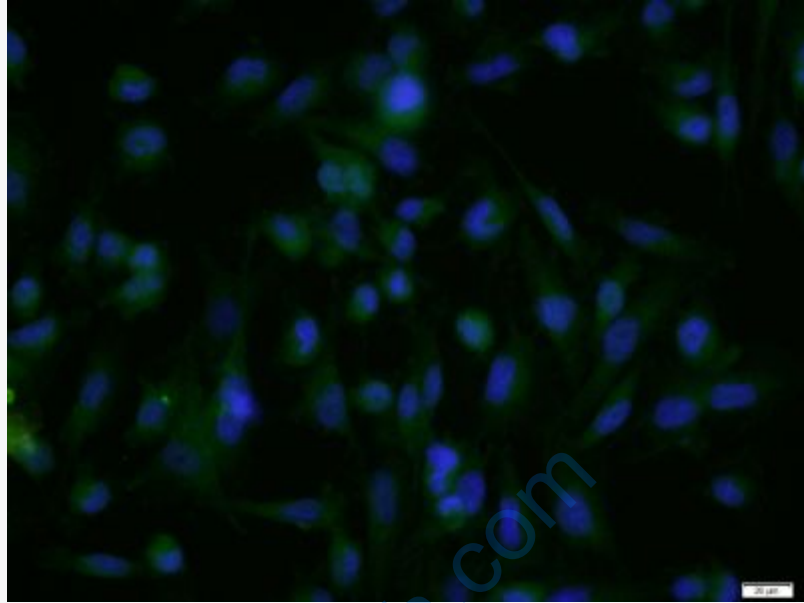
Incubation: Anti-Sema3F Polyclonal Antibody, Unconjugated(SL1122R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



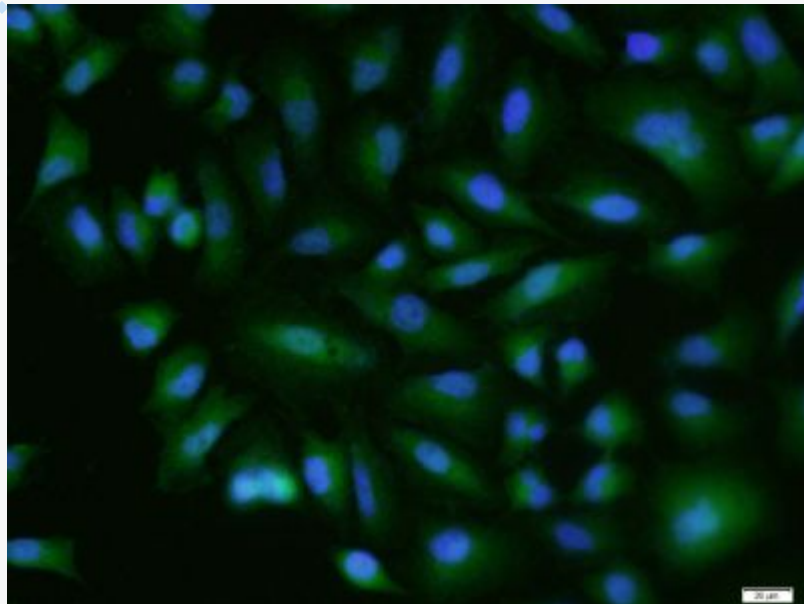
Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Sema3F Polyclonal Antibody, Unconjugated(SL1122R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Sema3F Polyclonal Antibody, Unconjugated(SL1122R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) 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 (SL1122R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (SL1122R) 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 (SL1122R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (SL1122R) for 90 minutes and DAPI staining.

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