

## Semaphorin 3F Polyclonal Antibody

Catalog: BS65674

Host: Rabbit

Reactivity: Human, Mouse, Rat,

### 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 [PubMed 7637782]), a putative homolog of an axonal guidance associated UNC33 gene product (MIM 601168). SEMA3F is a secreted member of the semaphorin III family.

### Product:

0.01M TBS (pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

88kD

### Swiss-Prot:

Q13275

### Purification & Purity:

affinity purified by Protein A

### Applications:

IHC-P=1:100-500

### Storage & Stability:

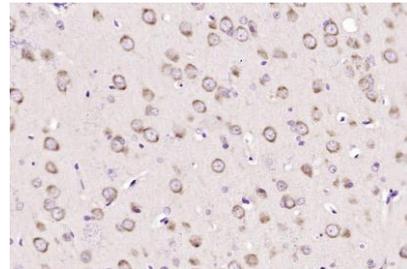
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

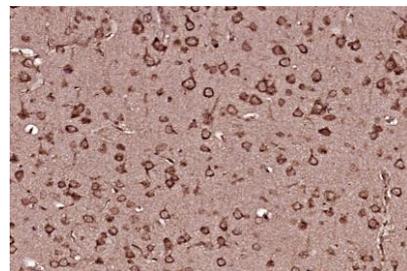
Semaphorin 3F Polyclonal Antibody detects endogenous

levels of Semaphorin 3F protein.

### DATA:



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30 min; Antibody incubation with (Semaphorin 3F) Polyclonal Antibody, Unconjugated (bs-1122R) at 1:200 overnight at 4 °C,



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### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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