

**Product Name: SEMA3F Rabbit Polyclonal Antibody**  
**Catalog #: APRab17716**



## Summary

<b>Production Name</b>	SEMA3F Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	SEMA3F
<b>Alternative Names</b>	SEMA3F; Semaphorin-3F; Sema III/F; Semaphorin IV; Sema IV
<b>Gene ID</b>	6405.0
<b>SwissProt ID</b>	Q13275.The antiserum was produced against synthesized peptide derived from human SEMA3F. AA range:734-783

## Application

<b>Dilution Ratio</b>	WB 1:500-2000 ELISA 2000-20000
<b>Molecular Weight</b>	88kD

## Background

This gene encodes a member of the semaphorin III family of secreted signaling proteins that are involved in axon guidance

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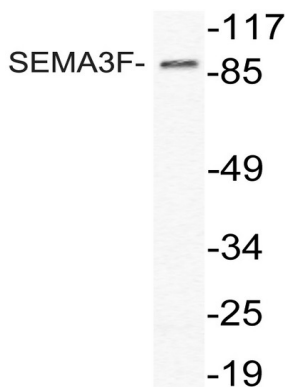


during neuronal development. The encoded protein contains an N-terminal Sema domain, an immunoglobulin loop and a C-terminal basic domain. This gene is expressed by the endothelial cells where it was found to act in an autocrine fashion to induce apoptosis, inhibit cell proliferation and survival, and function as an anti-tumorigenic agent. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016],developmental stage:Detected as early as embryonic day 10.,function:May play a role in cell motility and cell adhesion.,similarity:Belongs to the semaphorin family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Sema domain.,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.,

## Research Area

Axon guidance;

## Image Data



Western blot analysis of lysate from HeLa cells, using SEMA3F antibody.

## Note

For research use only.