

[Go to Product page](#)

Datasheet for ABIN914737

**anti-SEMA3F antibody (AA 651-754) (Alexa Fluor 555)**

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | SEMA3F  |
| Binding Specificity: | AA 651-754  |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This SEMA3F antibody is conjugated to Alexa Fluor 555   |
| Application:         | Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | KLH conjugated synthetic peptide derived from human Sema3F |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Purification:     | Purified by Protein A.                                     |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | SEMA3F  |
| Alternative Name: | Sema3F/semaphorin 3F ( <a href="#">SEMA3F Products</a> )                            |
| Background:       | Synonyms: SEMA4, SEMAK, SEMA-IV, Semaphorin-3F, Sema III/F, Semaphorin IV, Sema IV, |

## Target Details

### SEMA3F

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.

|           |   |
|-----------|---|
| Gene ID:  | 6405                                    |
| UniProt:  | <a href="#">Q13275</a>                  |
| Pathways: | <a href="#">Regulation of Cell Size</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only  |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |

Handling

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|                  |   |
|------------------|---|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months   |