Datasheet for ABIN1391522

# anti-SEMA3E antibody (AA 401-450) (FITC)

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## Overview

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| Quantity: | 100 µL |
| Target: | SEMA3E |
| Binding Specificity: | AA 401-450 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SEMA3E antibody is conjugated to FITC |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human SEMA3E/Semaphorin 3E |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Predicted Reactivity: | Rat,Cow,Sheep,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

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| Target: | SEMA3E |
| Alternative Name: | SEMA3E/Semaphorin 3E (SEMA3E Products) |

## Target Details

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| Background: | Synonyms: Coll 5, Coll5, KIAA0331, M sema H, M SEMAH, M SemaK, Msema H, MSEMAH, MSemaK, SEM3E_HUMAN, Sema domain immunoglobulin domain Ig, Sema domain immunoglobulin domain Ig short basic domain secreted 3E, Sema domain, immunoglobulin domain Ig, short basic domain, secreted, semaphorin 3E, SEMA3E, SEMAH, Semaphorin 3E, Semaphorin-3E, Semaphorin3E, Short basic domain secreted semaphorin 3E, SEM3E_HUMAN. Background: Semaphorins are a family of cell surface and secreted proteins involved in neural development that are conserved from insects to humans. Members of this family are approximately 750 amino acids in length (including signal sequences) and are defined by a conserved extracellular semaphorin? domain of approximately 500 amino acids containing 14-16 cysteines, blocks of conserved sequences and no obvious repeats. The transmembrane semaphorins are characterized by an additional 80 amino acid transmembrane domain and an 80-110 amino acid cytoplasmic domain. Secreted and cell-bound semaphorins chemically attract and repel the growth of neural axons, guiding the development of intricate networks of neural tissue. SEMA3E is a secreted semaphorin with 775 amino acids. Mutations in the SEMA3E gene are associated with CHARGE syndrome, a disorder characterized by cranial nerve dysfunction, coloboma of the eye, choanal atresia, inner and external ear abnormalities, cardiac anomalies, genitourinary abnormalities, and growth retardation. |

## Application Details

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| 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

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| 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 |