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Datasheet for ABIN5010347

**anti-SEMA3E antibody (AA 401-450) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	SEMA3E
Binding Specificity:	AA 401-450
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEMA3E antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

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

Target:	SEMA3E
Alternative Name:	SEMA3E/Semaphorin 3E ( <a href="#">SEMA3E Products</a> )

## Target Details

Background:	<p>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.</p> <p>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.</p>
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## 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