



[Go to Product page](#)

Datasheet for ABIN5010363

## anti-Semaphorin 6C antibody (AA 256-305) (Alexa Fluor 680)

### Overview

Quantity:	100 µL
Target:	Semaphorin 6C (SEMA6C)
Binding Specificity:	AA 256-305
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Semaphorin 6C 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 SEMA6C
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	Semaphorin 6C (SEMA6C)
Alternative Name:	SEMA6C ( <a href="#">SEMA6C Products</a> )
Background:	Synonyms: KIAA1869, m Sema Y, m Sema Y2, sema domain, transmembrane domain TM, and

## Target Details

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cytoplasmic domain, semaphorin 6C, Sema Y antibody Semaphorin 6C [Precursor], Semaphorin Y, SEMAY, SEM6C\_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. SEMA6C, also known as SEMA Y, is a transmembrane protein expressed in fetal brain and adult skeletal muscle. Three isoforms of this semaphorin exist due to alternative splicing: SEMA6C 1, SEMA6C 2 and SEMA6C 3. The extracellular domain of SEMA6C induces growth cone collapse of dorsal root ganglion and plays a role in generation or stability of entorhino-hippocampal synapses.

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
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

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

Expiry Date: 12 months