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Datasheet for ABIN749353  
**anti-SEMA6A antibody (AA 301-400) (Cy5.5)**

### Overview

Quantity:	100 µL
Target:	SEMA6A
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEMA6A antibody is conjugated to Cy5.5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Sema6A
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	SEMA6A
Alternative Name:	Sema6A ( <a href="#">SEMA6A Products</a> )
Background:	Synonyms: semaphorin 6A, Sema Q, Sema VIA, SEMA6A-1, Semaphorin 6A-1, Semaphorin Q,

## Target Details

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Semaphorin VIA.

Background: SEMA6A belongs to a subfamily characterized by an extracellular semaphorin domain, a transmembrane domain, and a long cytoplasmic tail. Members of this class can repel sympathetic and dorsal root ganglion axons in vitro, consistent with a traditional role as guidance signals. However, the length of the cytoplasmic tail, which includes an EVL-binding site in SEMA6A and an Src-binding site in SEMA6B, suggests that these semaphorins may also function as receptors. SEMA6A is expressed in developing neural tissue and is required for proper development of the thalamocortical projection. SEMA6A directly links the Ena/VASP and the semaphorin protein families since the SEMA6A protein is capable of selective binding to the protein EVL (Ena/VASP-like protein).

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Gene ID: 57556

## 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

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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

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Expiry Date: 12 months