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Datasheet for ABIN682052  
**anti-SEMA6D antibody (AA 801-900) (Cy5)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | SEMA6D  |
| Binding Specificity: | AA 801-900  |
| Reactivity:          | Mouse, Rat  |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This SEMA6D antibody is conjugated to Cy5   |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SEMA6D |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Mouse, Rat   |
| Predicted Reactivity: | Human,Dog,Cow,Pig,Horse                                    |
| Purification:         | Purified by Protein A.                                     |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | SEMA6D                                     |
| Alternative Name: | SEMA6D ( <a href="#">SEMA6D Products</a> ) |

## Target Details

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**Background:** Synonyms: SEM6D\_HUMAN, KIAA1479, Q8NFY4, Sema domain, transmembrane domain TM, and cytoplasmic domain, semaphorin 6D, Semaphorin 6D.

Background: Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Several transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissue- and development-dependent manner. [provided by RefSeq, Nov 2010]

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**Gene ID:** 80031

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**Pathways:** [Smooth Muscle Cell Migration](#)

## 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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## Handling

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Expiry Date: 12 months