

Datasheet for ABIN2805429

**anti-Plexin A1 antibody (AA 901-1000) (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | Plexin A1 (PLXNA1)                                                                                      |
| Binding Specificity: | AA 901-1000                                                                                             |
| Reactivity:          | Mouse                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This Plexin A1 antibody is conjugated to AbBy Fluor® 594                                                |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Plexin A1 |
| Isotype:              | IgG                                                           |
| Cross-Reactivity:     | Mouse                                                         |
| Predicted Reactivity: | Human,Rat,Dog,Pig,Horse,Rabbit,Guinea Pig                     |
| Purification:         | Purified by Protein A.                                        |

## Target Details

|                   |                                               |
|-------------------|-----------------------------------------------|
| Target:           | Plexin A1 (PLXNA1)                            |
| Alternative Name: | Plexin A1 ( <a href="#">PLXNA1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Synonyms: NOV, NOVP, PLXN1, PLEXIN-A1, Semaphorin receptor NOV, PLXNA1<br>Background: Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm (By similarity). |
| Gene ID:    | 5361                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt:    | <a href="#">Q9UIW2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:   | <a href="#">Smooth Muscle Cell Migration</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| 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

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                          |