

Datasheet for ABIN1409447

**anti-SLIT1 antibody (AA 455-500) (Cy5.5)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | SLIT1                                                                                                                             |
| Binding Specificity: | AA 455-500                                                                                                                        |
| Reactivity:          | Human                                                                                                                             |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This SLIT1 antibody is conjugated to Cy5.5                                                                                        |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Slit1/MEGF4 |
| Isotype:              | IgG                                                             |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Horse,Chicken,Rabbit              |
| Purification:         | Purified by Protein A.                                          |

## Target Details

|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| Target:           | SLIT1                                                                                   |
| Alternative Name: | Slit1/MEGF4 ( <a href="#">SLIT1 Products</a> )                                          |
| Background:       | Synonyms: MEGF 4, MEGF4, Multiple EGF like domains protein 4, Multiple epidermal growth |

## Target Details

factor like domains 4, Multiple epidermal growth factor like domains protein 4, SLIL 1, SLIL1, Slit 1, SLIT 3, Slit homolog 1, Slit homolog 1 protein, Slit-1, Slit1, SLIT3, KIAA0813, SLIT1\_HUMAN.

Background: Secreted leucine-rich repeat-containing proteins 1-3 (Slit1-3) are secreted glycoproteins that influence axonal guidance and mediate normal neural development by acting as high-affinity signaling ligands for the repulsive guidance receptor, Roundabout (Robo) (1, 2). Within the developing central nervous system (CNS) of different vertebrate systems, Slit proteins are expressed in equivalent regions, suggesting a conserved function among vertebrate homologs (3,4). Slit is expressed in the midline of the central nervous system in both vertebrates and invertebrates, where it functions as a regulatory factor of mesodermal cell movement during gastrulation (5). Slit2 is a short range inhibitory guidance cue for retinal ganglion cell (RGC) axons that may mediate spatial progression of RGCs (6,7).

Pathways: [Regulation of Cell Size](#)

## Application Details

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

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