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Datasheet for ABIN1409496  
**anti-UNC5A antibody (AA 125-220) (Cy7)**

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | UNC5A   |
| Binding Specificity: | AA 125-220  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This UNC5A antibody is conjugated to Cy7  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Unc5a |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse                   |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | UNC5A  |
| Alternative Name: | Unc5a/UNC5H1 ( <a href="#">UNC5A Products</a> )  |
| Background:       | Synonyms: Netrin receptor UNC 5A, Netrin receptor UNC5A, Netrin receptor Unc5h1, Protein |

## Target Details

unc-5 homolog 1, Protein unc-5 homolog A, Unc 5 homolog 1, Unc 5 homolog A, Unc 5a, Unc5 a, Unc5 homolog 1, Unc5 homolog A, Unc5a, UNC5A\_HUMAN, Unc5h1, FLJ16449, KIAA1976.

Background: The UNC5H family of proteins act as transmembrane receptors for netrin-1 and play a crucial role in axon guidance and migration of neural cells. Additionally, when cleaved by a caspase to produce an intracellular fragment containing a death domain, UNC5H receptors induce apoptosis. This activity is blocked by the binding of netrin-1. In the absence of netrin-1, UNC5H receptors act as tumor suppressors by inhibiting anchorage-independent growth and invasion, but mutation of these receptors provides a potential mechanism for tumorigenicity. The expression of UNC5H receptors is downregulated in multiple carcinomas, including colorectal, breast, ovary, uterus, stomach, lung and kidney cancers. UNC5H1, also known as UNC5HA (unc-5 homolog A), is a member of the UNC5H family of proteins and is localized to the cell membrane. Three isoforms of UNC5H1 exist due to alternative splicing events.

## 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