

Datasheet for ABIN1429034  
**anti-SLITRK5 antibody (PE-Cy7)**



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## Overview

|              |                                               |
|--------------|-----------------------------------------------|
| Quantity:    | 100 µL                                        |
| Target:      | SLITRK5                                       |
| Reactivity:  | Human, Mouse, Rat, Cow, Dog, Pig              |
| Host:        | Rabbit                                        |
| Clonality:   | Polyclonal                                    |
| Conjugate:   | This SLITRK5 antibody is conjugated to PE-Cy7 |
| Application: | Western Blotting (WB)                         |

## Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SLITRK5 |
| Isotype:              | IgG                                                         |
| Cross-Reactivity:     | Human                                                       |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Sheep,Pig,Horse                           |
| Purification:         | Purified by Protein A.                                      |

## Target Details

|                   |                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | SLITRK5                                                                                                                                                                         |
| Alternative Name: | SLITRK5 ( <a href="#">SLITRK5 Products</a> )                                                                                                                                    |
| Background:       | Synonyms: bA364G4.2; KIAA0918; Leucine rich repeat containing 11; Leucine rich repeat containing protein 11; LRRC 11; LRRC11; SLIT and NTRK like family member 5; SLIT and NTRK |

## Target Details

like protein 5; Slit and trk like gene 5; SLITRK 5; SLIK5\_HUMAN.

Background: The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic  $\alpha$ / horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. SLITRK5 (SLIT and NTRK-like family, member 5), also known as LRRC11 (leucine-rich repeat-containing protein 11), is a 958 amino acid single-pass type I membrane protein that contains 16 LRR repeats and belongs to the SLITRK family. Expressed at high levels in the cerebral cortex, but also present in areas of the spinal cord and medulla, SLITRK5 functions to suppress neurite outgrowth, thereby playing a regulatory role in neuronal function. The gene encoding SLITRK5 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

Molecular Weight: 103kDa

## Application Details

Application Notes: FCM(1:100-500)  
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1  $\mu\text{g}/\mu\text{L}$

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

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: 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