

Datasheet for ABIN6243294  
**anti-RYK antibody (AA 260-565)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 200 µL                                       |
| Target:              | RYK  |
| Binding Specificity: | AA 260-565                                   |
| Reactivity:          | Human  |
| Host:                | Mouse  |
| Clonality:           | Monoclonal                                   |
| Conjugate:           | This RYK antibody is un-conjugated           |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | This RYK antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 260-565 amino acids from human RYK. |
| Clone:        | 1671CT575-42-61   |
| Isotype:      | IgG1 kappa  |
| Purification: | This antibody is purified through a protein G column, followed by dialysis against PBS.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | RYK  |
| Alternative Name: | RYK ( <a href="#">RYK Products</a> )   |
| Background:       | May be a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and |

## Target Details

WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C- terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.

Molecular Weight: 67815

UniProt: [P34925](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Regulation of Cell Size](#)

## Application Details

Application Notes: WB: 1:1000. FC: 1:25

Restrictions: For Research Use only

## Handling

Format: Liquid

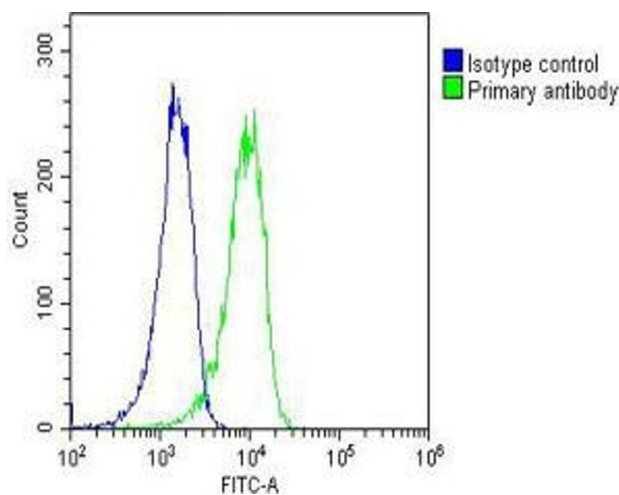
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

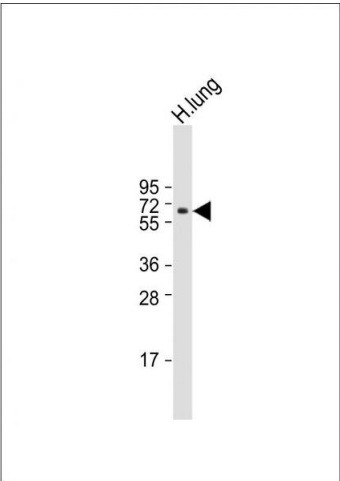
Storage: 4 °C, -20 °C

Expiry Date: 6 months



### Flow Cytometry

**Image 1.** Overlay histogram showing A431 cells stained with (ABIN6243294 and ABIN6577178)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6243294 and ABIN6577178), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was mouse IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Western Blotting

**Image 2.** Anti-RYK Antibody at 1:1000 dilution + human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.