

Datasheet for ABIN6243983

**anti-R-Spondin 3 antibody (AA 214-248)**[Go to Product page](#)**1** Image

## Overview

Quantity:	200 µL
Target:	R-Spondin 3 (RSP03)
Binding Specificity:	AA 214-248
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This R-Spondin 3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This RSP03 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 214-248 amino acids from human RSP03.
Clone:	RB54573
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	R-Spondin 3 (RSP03)
Alternative Name:	RSP03 ( <a href="#">RSP03 Products</a> )
Background:	Activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors.

## Target Details

Upon binding to LGR4-6 (LGR4, LGR5 or LGR6), LGR4-6 associate with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. Also regulates the canonical Wnt/beta-catenin-dependent pathway and non-canonical Wnt signaling by acting as an inhibitor of ZNRF3, an important regulator of the Wnt signaling pathway. Acts as a ligand for frizzled FZD8 and LRP6. May negatively regulate the TGF-beta pathway.

Molecular Weight: 30929

UniProt: [Q9BXY4](#)

## Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

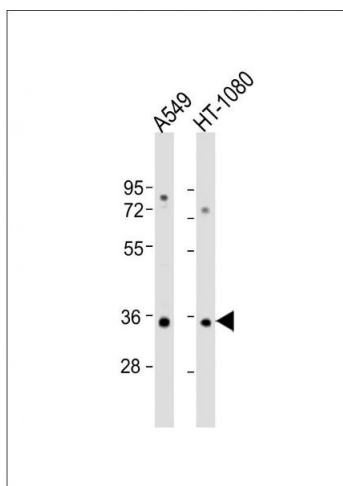
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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



### Western Blotting

**Image 1.** All lanes : Anti-RSPO3 Antibody (C-Term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: HT-1080 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.