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# Datasheet for ABIN969375 anti-RSPO1 antibody

1 Image

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#### Overview

Quantity:	100 µL
Target:	RSP01
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RSP01 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Purified recombinant fragment of R-spondin1 expressed in E. coli.	
Clone:	7A6	
Isotype:	lgG1	
Purification:	purified	

## Target Details

Target:	RSP01	
Alternative Name:	R-spondin1 (RSP01 Products)	
Background:	Description: R-spondin1, also known as RSP01, CRISTIN3, FLJ40906. Entrez Protein NP_001033722.1. It is a member of the R-spondin family and a 28.9 kDa secreted activator	
	protein with two cystein-rich, furin-like domains and one thrombospondin type 1 domain. In	
	mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal	

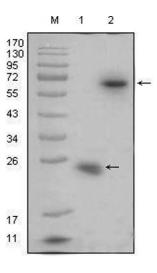
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Target	Details
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	epithelial healing, providing a protective effect against chemotherapy-induced adverse effects.It
	is activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation.
	Acts both in the canonical Wnt/beta-catenin-dependent pathway, possibly via a direct
	interaction with Wnt proteins, and in a Wnt-independent beta catenin pathway through a
	receptor signaling pathway that may not use frizzled/LRP receptors. Acts as a ligand for
	frizzled FZD8 and LRP6. May negatively regulate the TGF-beta pathway. Has a essential roles in
	ovary determination.
	Aliases: RSP01,CRISTIN3,FLJ40906
Molecular Weight:	28.9 kDa
Gene ID:	284654
HGNC:	284654
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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
Storage Comment:	4°C, -20°C for long term storage
Publications	
Product cited in:	Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A
	new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in:
	Journal of cell science, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) (PubMed).
	Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in

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### Images



#### Western Blotting

**Image 1.** Western blot analysis using R-spondin1 mouse mAb against recombinant R-spondin1 protein (1) and Rspondin1(aa21-263)-hlgGFc transfected HEK293 cell lysate(2).