

# RSPO3 Polyclonal antibody

Catalog Number: 17193-1-AP

Featured Product

7 Publications

## Basic Information

## Catalog Number:

17193-1-AP

## Size:

800 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG9899

## GenBank Accession Number:

BC022367

## GeneID (NCBI):

84870

## UNIPROT ID:

Q9BXY4

## Full Name:

R-spondin 3 homolog (Xenopus laevis)

## Calculated MW:

272 aa, 31 kDa

## Observed MW:

30-40 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

## Applications

## Tested Applications:

WB, IP, IHC, ELISA

## Cited Applications:

WB, IF, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB: mouse small intestine tissue, Transfected HEK-293 cells

IP: human placenta tissue,

IHC: human lung cancer tissue, human placenta tissue

## Background Information

RSPO3, also named as R-spondin-3, is a 272 amino acid protein, which contains 1 TSP type-1 domain and 2 FU (furin-like) repeats. RSPO3 may be a secreted protein and belongs to the R-spondin family. RSPO3 is expressed at higher level in placenta, small intestine, fetal thymus and lymph node. RSPO3 is an activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors. The four R-spondins (RSPO1-4) and three related leucinerich repeat-containing G-protein coupled receptors, LGR4, LGR5, and LGR6 (LGR4-6), constitute a ligand-receptor system that plays critical roles in development, stem cell survival, and oncogenesis. Ectopic expression of RSPO2/3 in mouse mammary epithelial cells led to an increase in invasiveness in vitro and in tumor formation and metastasis in vivo.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bhupesh Singla	32750106	Cardiovasc Res	WB
Kendra S Carmon	24639526	Proc Natl Acad Sci U S A	WB
Tomohiko Shinkawa	35272688	J Exp Clin Cancer Res	IHC

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

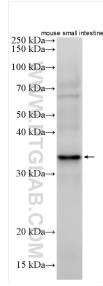
T: 4006900926

E: Proteintech-CN@ptglab.com

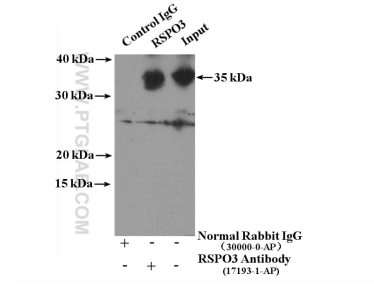
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

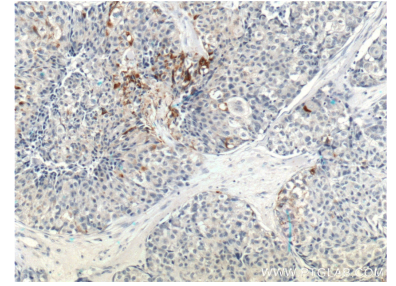
## Selected Validation Data



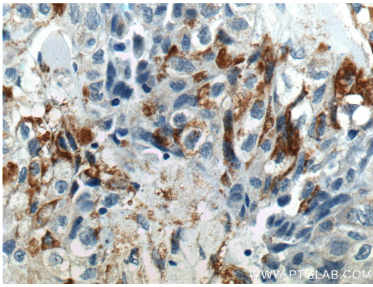
mouse small intestine were subjected to SDS PAGE followed by western blot with 17193-1-AP (RSPO3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-RSPO3 (IP:17193-1-AP, 4ug; Detection:17193-1-AP 1:300) with human placenta tissue lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 17193-1-AP (RSPO3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 17193-1-AP (RSPO3 Antibody) at dilution of 1:200 (under 40x lens).