

Product Data Sheet: R-Spondin

Cat. No: AB-83545

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rb

Isotype: IgG

Immunogen: Recombinant protein of Human R-Spondin 1

Reactivity: Hu, Ms, Rt

Applications: Western Blot: 1:1000 Immunohistochemistry: (Paraffin-embedded section): 1:100

Molecular Weight: 28-29 KDa **Purification:** Aff. Pur.

This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. The encoded protein is a ligand for leucine-rich repeat-containing G-protein coupled receptors (LGR proteins) and positively regulates the Wnt signaling pathway. In mice, the protein induces the

rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects.

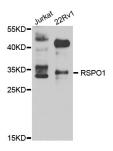
Alternative splicing results in multiple transcript variants.

Form: Liquid

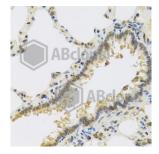
Background:

Buffer: PBS, with 0,02% sodium Azide, 50% glycerol, pH 7.3

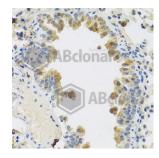
Storage: At $+ 4^{\circ}$ C for short term, at-20°C for longer term. Avoid Freeze and Thaw cycles.



Western Blot using AB-83545 on extracts of various cells.



IHC(P) 1:100 on Rat Lung using R Spondin



IHC (P) 1:100 on mouse lung

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