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Datasheet for ABIN7118173 **anti-R-Spondin 3 antibody**

Overview

Quantity:	100 µg
Target:	R-Spondin 3 (RSP03)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This R-Spondin 3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	R-spondin 3 homolog
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	R-Spondin 3 (RSP03)
Alternative Name:	RSP03 (RSP03 Products)
Background:	Synonyms:CRISTIN1, hPWTSR, hRspo3, Protein with TSP type 1 repeat, PWTSR, R spondin 3, Roof plate specific spondin 3, RSP03, THSD2 Background:Activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors, which acts as a key regulator of angiogenesis. Upon binding to LGR4-6(LGR4, LGR5 or LGR6), LGR4-6 associate with

Target Details

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(PubMed:21727895, PubMed:21909076, PubMed:22615920). Acts as a key regulator of angiogenesis by controlling vascular stability and pruning: acts by activating the non-canonical Wnt signaling pathway in endothelial cells(By similarity).

Molecular Weight: 40 kDa

Gene ID: 84870

UniProt: [Q9BXY4](#)

Application Details

Application Notes: WB: 1:200-1:1000, IHC: 1:100-1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months