

RSPO4 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5711b**Specification**

RSPO4 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q2I0M5](#)
Other Accession [NP_001025042.2](#)

RSPO4 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 343637

Other Names

R-spondin-4, Roof plate-specific spondin-4, hRspo4, RSPO4, C20orf182

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RSPO4 Antibody (C-term) Blocking peptide - Protein Information

Name RSPO4

Synonyms C20orf182

Function

Activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors (PubMed:29769720). 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 (PubMed:21727895, PubMed:21909076).

Cellular Location

Secreted.

RSPO4 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RSPO4 Antibody (C-term) Blocking peptide - Images

RSPO4 Antibody (C-term) Blocking peptide - Background

RSPO4 is a member of the R-spondin family of proteins that share a common domain organization consisting of a signal peptide, cysteine-rich/furin-like domain, thrombospondin domain and a C-terminal basic region. The encoded protein may be involved in activation of Wnt/beta-catenin signaling pathways. Mutations in this gene are associated with anonychia congenita. Alternate splicing results in multiple transcript variants.

RSPO4 Antibody (C-term) Blocking peptide - References

Bergmann, C., et al. Am. J. Hum. Genet. 79(6):1105-1109(2006) Blaydon, D.C., et al. Nat. Genet. 38(11):1245-1247(2006) Kim, K.A., et al. Cell Cycle 5(1):23-26(2006)