
RSPO1 (7A6) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252858

Unit: 0.1 ml

Description:

RSPO1 (R-spondin 1) is a member of the R-spondin family, a 28.9 kDa secreted activator protein. It has two cysteine-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 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.

Isotype: Mouse IgG1

Applications: WB

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: R-spondin-1; Roof plate-specific spondin-1; hRspo1; RSPO1

Accession No.: Q2MKA7

Antigen: Purified recombinant fragment of RSPO1 expressed in E. coli.

Application Notes: WB: 1:500-1:2000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.