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Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1)

Recombinant Antibody
Catalog # APR11024

Specification

Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q2MKA7
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**150 KDa**

Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1) - Additional Information

Target/Specificity
RSPO1

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1) - Protein Information

Name RSPO1

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. Acts as a ligand for frizzled FZD8 and LRP6. May negatively regulate the TGF-beta pathway. Has a essential roles in ovary determination. Regulates Wnt signaling by antagonizing DKK1/KREM1- mediated internalization of LRP6 through an interaction with KREM1 (PubMed:17804805).

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Cellular Location
Secreted. Nucleus {ECO:0000250|UniProtKB:Q9Z132} Note=Seems to mainly localize to nucleoli {ECO:0000250|UniProtKB:Q9Z132}

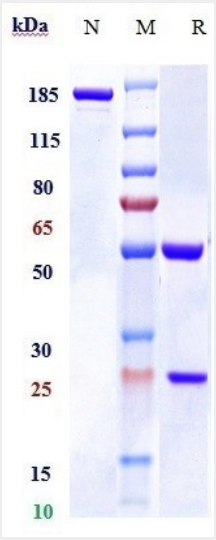
Tissue Location
Abundantly expressed in adrenal glands, ovary, testis, thyroid and trachea but not in bone marrow, spinal cord, stomach, leukocytes colon, small intestine, prostate, thymus and spleen.

Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1) - Protocols

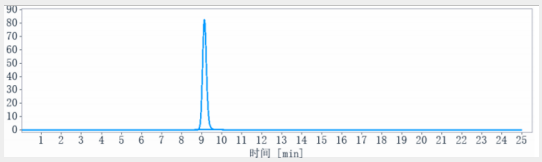
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1) - Images



Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-RSPO1 Reference Antibody (Oncomed patent anti-RSPO1)is more than 95% ,determined by SEC-HPLC.