RSPO1 Antibody

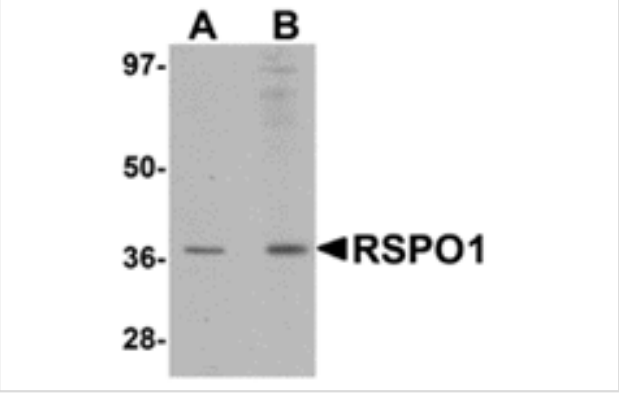
Catalog No: #24897

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

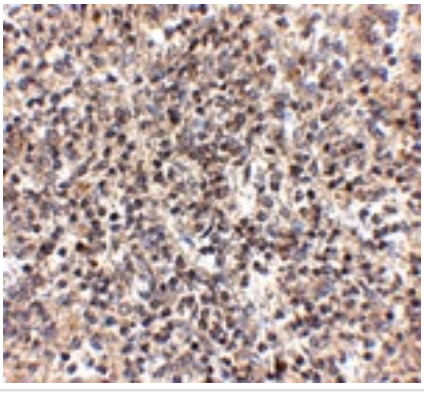
Description

Product Name	RSPO1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the amino terminus of human RSPO1.
Target Name	RSPO1
Other Names	R-spondin1, RSPO, CRISTIN3
Accession No.	Swiss-Prot:Q2MKA7Gene ID:284654
Uniprot	Q2MKA7
GeneID	284654;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

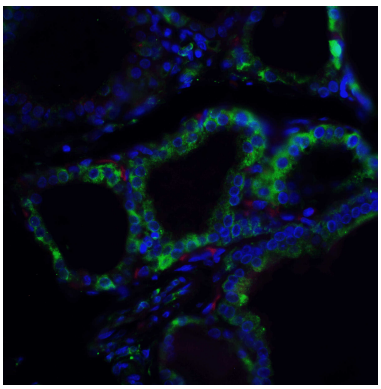
Images



Western blot analysis of RSPO1 in rat spleen tissue lysate with RSPO1 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of RSPO1 in human spleen tissue with RSPO1 antibody at 2.5 ug/mL.



Immunofluorescence of RSPO1 in human spleen tissue with RSPO1 antibody at 5 µg/ml.

Background

RSPO1 is a member of a family of secreted growth factors that can operate through the canonical Wnt signaling pathway by stabilizing the intracellular beta-catenin, thereby regulating functions mediated by beta-catenin such as cell fate decisions and embryonic patterning. RSPO1 was recently identified through linkage analysis to be involved in sex determination and mammalian ovarian development. RSPO1 is thought to regulate cellular responsiveness to Wnt ligands by modulating the cell-surface expression of the Wnt co-receptor LRP6 by interfering with the DKK/Kremen-mediated internalization of LRP6 through an interaction with Kremen, resulting in increased LRP6 cell-surface levels. At least two isoforms of RSPO1 are known to exist. RSPO1 antibody will not cross-react with RSPO family members.

Note: This product is for in vitro research use only