

Rabbit RSPO1 Polyclonal Antibody | anti-RSPO1 antibody

RSPO1 Antibody

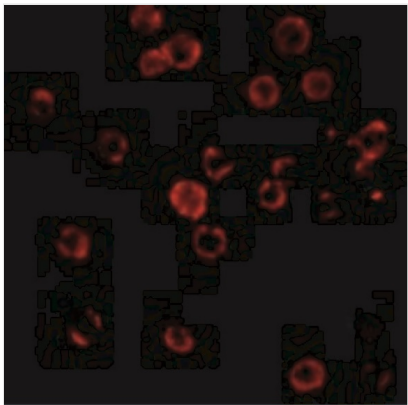
CATALOG # AAA10920	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

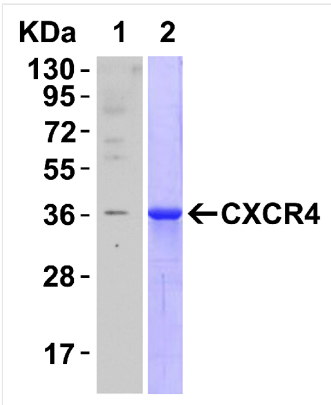
RSPO1; Polyclonal Antibody; RSPO1 Antibody; RSPO; CRISTIN3; R-spondin-1; Roof plate-specific spondin-1; hRspo1; R-spondin homolog (Xenopus laevis); anti-RSPO1 antibody

PRODUCT SPECIFICATIONS

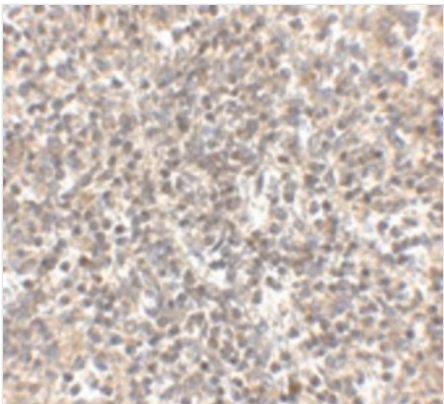
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RSPO1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	263
Applicable Applications for anti-RSPO1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	RSPO1 antibody can be used for detection of RSPO1 by Western blot at 1 - 2 mug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 mug/mL. For immunofluorescence start at 20 mug/mL.
Conjugate	Unconjugated
Immunogen	RSPO1 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human RSPO1.
Buffer	RSPO1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.



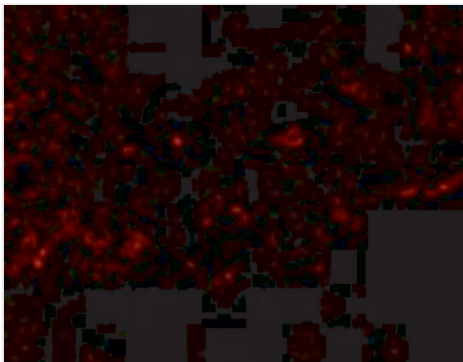
IF (Immunofluorescence)
Immunofluorescence of RSPO1 in human spleen tissue with RSPO1 antibody at 5 μg/ml. Green: RSPO1 antibody (5171) Red: Phalloidin staining Blue: DAPI staining



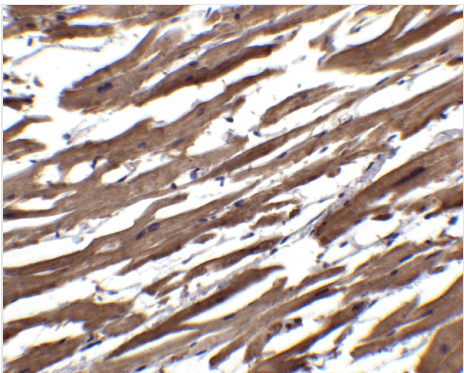
IHC (Immunohistochemistry)
Immunohistochemistry of RSPO1 in human spleen tissue with RSPO1 antibody at 5 μg/ml.



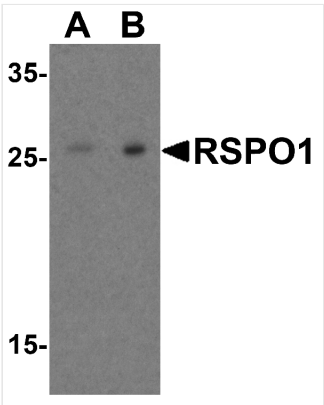
IHC (Immunohistochemistry)
Immunohistochemistry of RSPO1 in human spleen tissue with RSPO1 antibody at 2.5 μg/mL.



IF (Immunofluorescence)
Immunofluorescence of RSPO1 in Human Spleen tissue with RSPO1 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of RSPO1 in human heart tissue with RSPO1 antibody at 2.5 μg/ml.



WB (Western Blot)
Western blot analysis of RSPO1 in human heart tissue lysate with RSPO1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-RSPO1 antibody	RSPO1 Antibody: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84490388
NCBI GeneID	284654
NCBI Accession #	NP_001033722
NCBI GenBank Nucleotide #	NM_001038633.3
UniProt Accession #	Q2MKA7; Q0H8S6; Q14C72; Q5T0F2; Q8N7L5; A2A420
Molecular Weight	21,775 Da
NCBI Official Full Name	R-spondin-1 isoform 1
NCBI Official Synonym Full Names	R-spondin 1
NCBI Official Symbol	RSPO1
NCBI Official Synonym Symbols	RSPO; CRISTIN3
NCBI Protein Information	R-spondin-1; R-spondin homolog; roof plate-specific spondin-1
UniProt Protein Name	R-spondin-1
UniProt Gene Name	RSPO1
UniProt Synonym Gene Names	hRspo1
UniProt Entry Name	RSPO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rspo1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10920>