

Mouse R spondin1 Monoclonal Antibody | anti-RSPO1 antibody

R spondin1 antibody

CATALOG #	HOST	APPLICATIONS
AAA106260	Mouse	Western Blot, ELISA

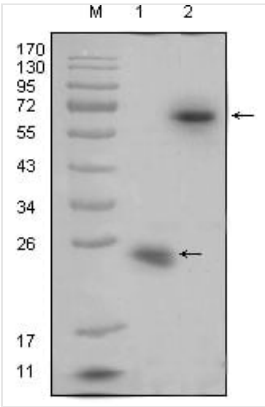
PRODUCT SYNONYMS

R spondin1; Monoclonal Antibody; R spondin1 antibody; Monoclonal R spondin1 antibody; Anti-R spondin1 antibody; R spondin-1; R spondin 1 antibody; Rspondin1 antibody; RSPO1 antibody; CRISTIN3 antibody; R spondin 1; R-spondin1 antibody; FLJ40906 antibody; R spondin-1 antibody; anti-RSPO1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7A6
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	200
Applicable Applications for anti-RSPO1 antibody	WB (Western Blot), ELISA
Biological Significance	R spondin1 is a member of the R-spondin family and a secreted activator protein with two cystein-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 an 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.
Cross-Reactivity	Human
Immunogen	R spondin1 antibody was raised in Mouse using a purified recombinant fragment of RSPO1 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western Blot analysis using R spondin1 antibodyWestern Blot showing R-spondin1 antibody used against recombinant R-spondin1 protein (1) and R-spondin1 (aa21-263)-hlgGfc transfected HEK293 cell lysate (2).

ADDITIONAL INFORMATION

Related Product Information for anti-RSPO1 antibody	Mouse monoclonal R spondin1 antibody
Product Categories/Family for anti-RSPO1 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	339276103
NCBI GeneID	284654
NCBI Accession #	NP_001229839.1
NCBI GenBank Nucleotide #	NM_001242910.1
UniProt Accession #	Q2MKA7; Q0H8S6; Q14C72; Q5T0F2; Q8N7L5; A2A420
Molecular Weight	21,775 Da
NCBI Official Full Name	R-spondin-1 isoform 3
NCBI Official Synonym Full Names	R-spondin 1
NCBI Official Symbol	RSPO1
NCBI Official Synonym Symbols	RSPO; CRISTIN3
NCBI Protein Information	R-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.