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anti-RSPO1 antibody (N-Term)





Overview	
Quantity:	0.1 mg
Target:	RSP01
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RSP01 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	

Immunogen: RSPO1 antibody was raised against a 16 amino acid peptide from near the amino terminus of

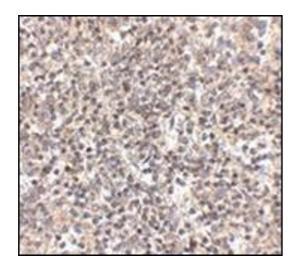
	human RSP01.
Isotype:	IgG
Specificity:	This antibody detects RSP01. It will not cross-react with RSP0 family members.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target: RSP01	
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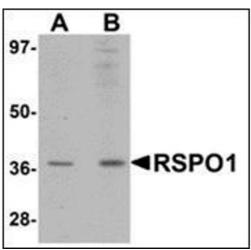
Target Details

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Alternative Name:	RSP01 (RSP01 Products)
Background:	RSP01 is a member of a family of secreted growth factors that can operate through the
	canonical Wnt signaling pathway by stabilizing the intracellular b-catenin, thereby regulating
	functions mediated by b-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. RSP01 is thought to regulate cellular responsiveness to Wn
	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 RSP01 are known to
	exist.Synonyms: R-spondin-1, Roof plate-specific spondin-1
Gene ID:	284654
NCBI Accession:	NP_001033722
UniProt:	Q2MKA7
Application Details	
Application Notes:	ELISA. Western blot: 1 - 2 μg/mL. Immunohistochemistry on paraffin sections.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of RSPO1 in human spleen tissue with this product at $2.5 \, \mu g/ml$.



Western Blotting

Image 2. Western blot analysis of RSP01 in rat spleen tissue lysate with this product at (A) 1 and (B) 2 μ g/ml.