For Research Use Only

RSPO3 Polyclonal antibody Catalog Number: 17193-1-AP Featured Product





Basic Information	Catalog Number: 17193-1-AP	GenBank Acces BC022367	sion Number:	Purification Method: Antigen affinity purification		
	Concentration:	GenelD (NCBI):		Recommended Dilutions:		
	Source: Rabbit	UNIPROT ID: 09BXY4		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate		
	Isotype: IgG Immunogen Catalog Number: AG9899	Full Name: R-spondin 3 homolog (Xenopus laevis) Calculated MW: 272 aa, 31 kDa		IHC 1:100-1:400		
					Observed MW: 30-40 kDa	
		Applications	Tested Applications: WB, IP, IHC, ELISA		Positive Controls:	
Cited Applications:			293 cells	293 cells		
WB, IHC, IF, IP IP : huma			IP : human	placenta tissue,		
human, mouse, rat IHC : human lung cancer tissue, human placenta			n lung cancer tissue, human placenta tissue			
Cited Species: human, mouse, rat Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 RSPO3, also named as R-spondin-3, is a 272 amino acid protein, which contains 1 TSP type-1 domain and 2 FU (furin- like) repeats. RSPO3 may be a secreted protein and belongs to the R-spondin family. RSPO3 is expressed at higher level in placenta, small intestine, fetal thymus and lymph node. RSPO3 is an activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors. The four R-spondins (RSPO1-4) and three related leucinerich repeat-containing G-protein coupled receptors, LGR4, LGR5, and LGR6 (LGR4-6), constitute a ligand- receptor system that plays critical roles in development, stem cell survival, and oncogenesis. Ectopic expression of RSPO2/Jin mouse mammary epithelial cells led to an increase in invasiveness in vitro and in tumor formation and metastasis in vivo.						
				Background Information		
				Notable Publications	Author	Pubmed ID
Bhupesh Singla	32750106	Cardiovasc Res	WB			
Kendra S Carmon	24639526	Proc Natl Acad Sci	U S A WB			
Tomohiko Shinkawa	35272688	J Exp Clin Cancer	Res IHC			
Storage	Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.					
For tochnical support and original validation do	Allquoting is unnecessary for -2	0 C storage	This product i	e ovelania stance i table overden Denski otorik		

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Selected Validation Data



mouse small intestine were subjected to SDS PAGE followed by western blot with 17193-1-AP (RSPO3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-RSPO3 (IP:17193-1-AP, 4ug; Detection:17193-1-AP 1:300) with human placenta tissue lysate 2800ug.



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 17193-1-AP (RSPO3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 17193-1-AP (RSPO3 Antibody) at dilution of 1:200 (under 40x lens).