

ARG44268 anti-RSPO3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes RSPO3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	RSPO3
Species	Human
Immunogen	Synthetic peptide around the internal region of Human RSPO3 (SGYYGTRYPDINKC)
Conjugation	Un-conjugated
Alternate Names	Thrombospondin type-1 domain-containing protein 2; PWTSR; R-spondin-3; hRspo3; THSD2; CRISTIN1; Roof plate-specific spondin-3; Protein with TSP type-1 repeat; hPWTSR

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.3 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

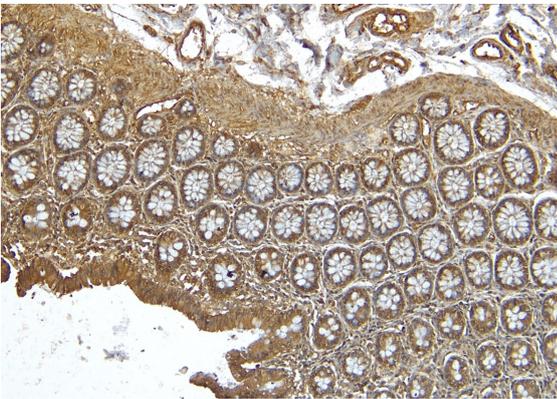
Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

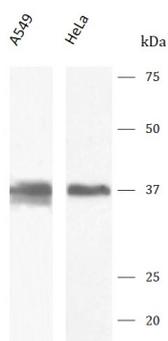
Gene Symbol	RSPO3
Gene Full Name	R-spondin 3
Background	This gene belongs to the R-spondin family. The encoded protein plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of this gene with bone mineral density and risk of fracture. This gene may be involved in tumor development. [provided by RefSeq, Jul 2013]
Function	Activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors. Upon binding to LGR4-6 (LGR4, LGR5 or LGR6), LGR4-6 associate with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. Also regulates the canonical Wnt/beta-catenin-dependent pathway and non-canonical Wnt signaling by acting as an inhibitor of ZNRF3, an important regulator of the Wnt signaling pathway. Acts as a ligand for frizzled FZD8 and LRP6. May negatively regulate the TGF-beta pathway. [UniProt]

Images



ARG44268 anti-RSPO3 antibody IHC-P image

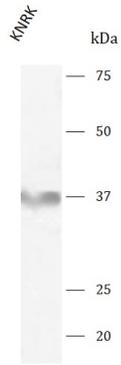
Immunohistochemistry: Human Colon stained with ARG44268 anti-RSPO3 antibody at 4 µg/ml dilution.



ARG44268 anti-RSPO3 antibody WB image

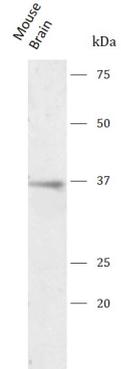
Western blot: A549 and HeLa stained with ARG44268 anti-RSPO3 antibody at 0.3 µg/ml dilution.

ARG44268 anti-RSPO3 antibody WB image



Western blot: KNRK stained with ARG44268 anti-RSPO3 antibody at 0.3 $\mu\text{g/ml}$ dilution.

ARG44268 anti-RSPO3 antibody WB image



Western blot: Mouse Brain stained with ARG44268 anti-RSPO3 antibody at 0.3 $\mu\text{g/ml}$ dilution.