10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RNF43 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13204B

Product Information

Application	WB, E
Primary Accession	Q68DV7
Other Accession	NP_060233.3
Reactivity	Human, Rat, Mouse
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	85722
Antigen Region	543-572

Additional Information

Gene ID	54894
Other Names	E3 ubiquitin-protein ligase RNF43, 632-, RING finger protein 43, RNF43
Target/Specificity	This RNF43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 543-572 amino acids from the C-terminal region of human RNF43.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RNF43 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RNF43
Function	E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination, endocytosis and subsequent degradation of Wnt receptor complex components Frizzled. Acts on both canonical and non-canonical Wnt signaling pathway

	(PubMed:18313049, PubMed:22575959, PubMed:22895187). Along with RSPO2 and ZNRF3, constitutes a master switch that governs limb specification (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Nucleus envelope. Note=According to a report, may be secreted
Tissue Location	Expressed in fetal kidney, fetal lung, in colon cancer tissues, hepatocellular carcinomas and lung adenocarcinomas Overexpressed in colorectal cancer cell lines

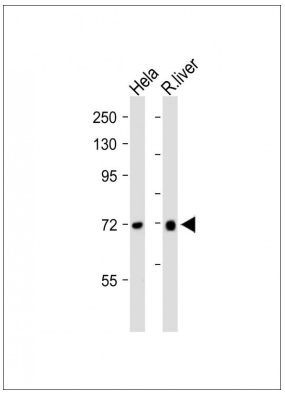
Background

RNF43 is a HAP95 (AKAP8L; MIM 609475) binding ubiquitin ligase that promotes cell growth and is upregulated in colon cancer (Yagyu et al., 2004 [PubMed 15492824]; Sugiura et al., 2008 [PubMed 18313049]).

References

Low, S.K., et al. PLoS ONE 5 (7), E11824 (2010) :
Sugiura, T., et al. Exp. Cell Res. 314(7):1519-1528(2008)
Uchida, N., et al. Clin. Cancer Res. 10(24):8577-8586(2004)
Yagyu, R., et al. Int. J. Oncol. 25(5):1343-1348(2004)

Images



All lanes : Anti-RNF43 Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: rat liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 71kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.