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RNF43 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13204B

Specification

RNF43 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q68DV7
Other Accession	NP_060233.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**543-572**

RNF43 Antibody (C-term) - 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
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

RNF43 Antibody (C-term) - 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

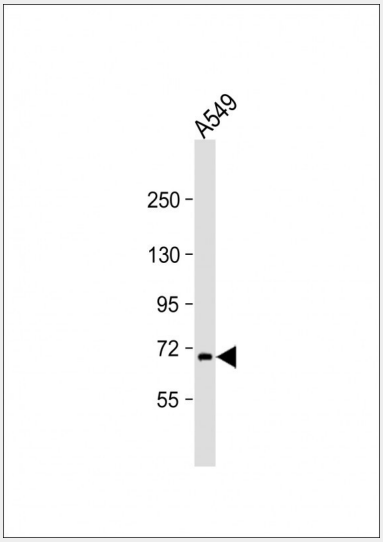
Tissue Location
Expressed in fetal kidney, fetal lung, in colon cancer tissues, hepatocellular carcinomas and lung adenocarcinomas Overexpressed in colorectal cancer cell lines

RNF43 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

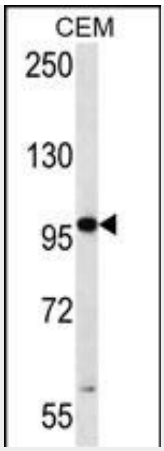
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF43 Antibody (C-term) - Images

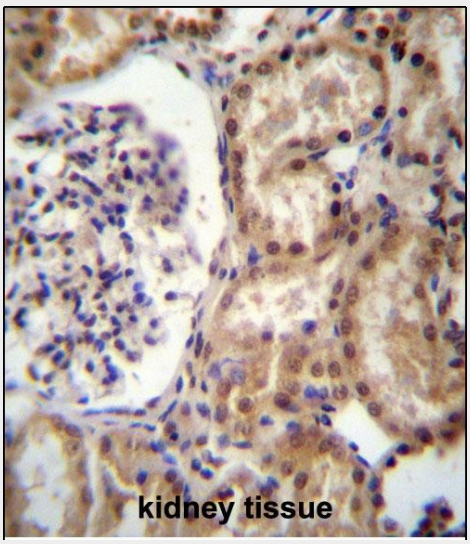


Anti-RNF43 Antibody (C-term) at 1:2000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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RNF43 Antibody (C-term) (Cat. #AP13204b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the RNF43 antibody detected the RNF43 protein (arrow).



RNF43 Antibody (C-term) (Cat. #AP13204b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RNF43 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

RNF43 Antibody (C-term) - 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]).

RNF43 Antibody (C-term) - 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)