

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

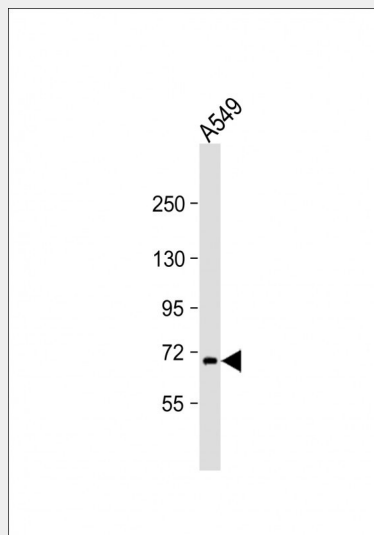
Expressed in fetal kidney, fetal lung, in colon cancer tissues, hepatocellular carcinomas and lung adenocarcinomas Overexpressed in colorectal cancer cell lines

RNF43 Antibody (C-term) - Protocols

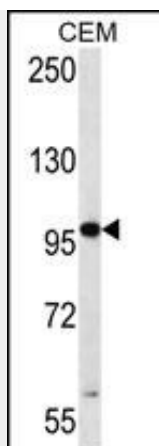
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

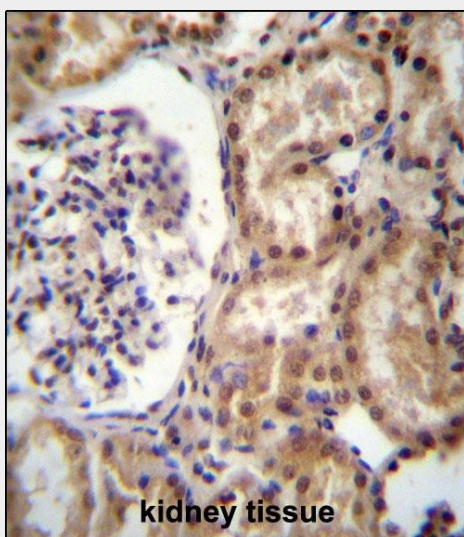
RNF43 Antibody (C-term) - Images



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% NFDN/TBST.



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)