

Rabbit anti-Human RNF43 Polyclonal Antibody | anti-RNF43 antibody

RNF43 Antibody (C-term)

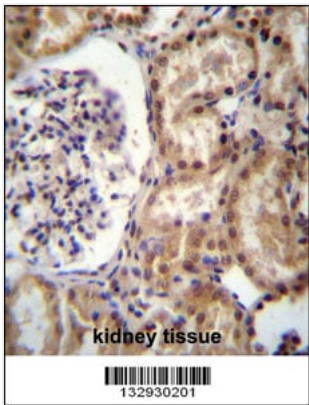
CATALOG # AAA288896	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

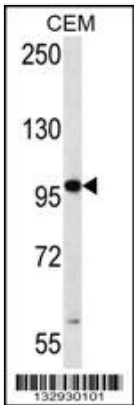
RNF43; Polyclonal Antibody; RNF43 Antibody (C-term); E3 ubiquitin-protein ligase RNF43; 632-; RING finger protein 43; anti-RNF43 antibody

PRODUCT SPECIFICATIONS

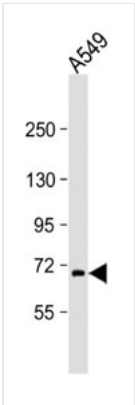
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This RNF43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 543-572 amino acids from the C-terminal region of human RNF43.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	543-572
Sequence Length	869
Applicable Applications for anti-RNF43 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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. Acts as a tumor suppressor in the intestinal stem cell zone by inhibiting the Wnt signaling pathway, there by restricting the size of the intestinal stem cell zone.
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
Preparation and 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.



IHC (Immunohistochemisry)
RNF43 Antibody (C-term) 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.



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



WB (Western Blot)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-RNF43 antibody	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]).
Product Categories/Family for anti-RNF43 antibody	Cancer; Cell biology
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56711322
NCBI GeneID	54894
NCBI Accession #	NP_060233.3
NCBI GenBank Nucleotide #	NM_017763.5

UniProt Accession #	Q68DV7; Q65ZA4; Q6AI04; Q9NXD0; A8K4R2; B7Z443; B7Z5D5; B7Z5J5
Molecular Weight	85722
NCBI Official Full Name	E3 ubiquitin-protein ligase RNF43 isoform 1
NCBI Official Synonym Full Names	ring finger protein 43
NCBI Official Symbol	RNF43
NCBI Official Synonym Symbols	URCC; RNF124
NCBI Protein Information	E3 ubiquitin-protein ligase RNF43
UniProt Protein Name	E3 ubiquitin-protein ligase RNF43
UniProt Gene Name	RNF43
UniProt Entry Name	RNF43_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rnf43-antibody-immunohistochemistry-western-blot-elisa/288896>