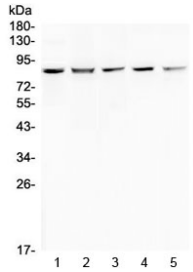
RNF43 Antibody (RQ4411)

Catalog No.	Formulation	Size
RQ4411	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q68DV7
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml (recombinant human protein) (BSA-free format available)
Limitations	This RNF43 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) 293T, 3) COLO-320, 4) SW620 and 5) MCF7 cell lysate with RNF43 antibody at 0.5ug/ml. Predicted molecular weight: ~86 kDa (isoform 1), ~95 kDa (isoform 4).

Description

RNF43 is a HAP95 (AKAP8L) binding ubiquitin ligase that promotes cell growth and is upregulated in colon cancer. The protein encoded by this gene is a RING-type E3 ubiquitin ligase and is predicted to contain a transmembrane domain, a protease-associated domain, an ectodomain, and a cytoplasmic RING domain. This protein is thought to negatively regulate Wnt signaling, and expression of this gene results in an increase in ubiquitination of frizzled receptors, an alteration in their subcellular distribution, resulting in reduced surface levels of these receptors. Mutations in this gene have been reported in multiple tumor cells, including colorectal and endometrial cancers. Alternative splicing results in

multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the RNF43 antibody should be determined by the researcher.

Immunogen

A human partial recombinant protein corresponding to amino acids G24-Y197 was used as the immunogen for the RNF43 antibody.

Storage

After reconstitution, the RNF43 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.