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RNF43 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP13204b

Specification

RNF43 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q68DV7

RNF43 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 54894

Other Names
E3 ubiquitin-protein ligase RNF43, 632-, RING finger protein 43, RNF43

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13204b was selected from the C-term region of RNF43. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RNF43 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

RNF43 Antibody (C-term) Blocking Peptide - Images

RNF43 Antibody (C-term) Blocking Peptide - Background

RNF43 is a HAP95 (AKAP8L; MIM 609475) binding ubiquitinligase that promotes cell growth and is upregulated in colon cancer(Yagyu et al., 2004 [PubMed 15492824]; Sugiura et al., 2008 [PubMed18313049]).

RNF43 Antibody (C-term) Blocking Peptide - 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)