

RNF6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19165b**Specification**

RNF6 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y252](#)**RNF6 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6049**Other Names**

E3 ubiquitin-protein ligase RNF6, 632-, RNF6, SPG2

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.

RNF6 Antibody (C-term) Blocking Peptide - Protein Information**Name** RNF6 {ECO:0000303|PubMed:10331950, ECO:0000312|HGNC:HGNC:10069}**Function**

E3 ubiquitin-protein ligase mediating 'Lys-48'-linked polyubiquitination of LIMK1 and its subsequent targeting to the proteasome for degradation (By similarity). Negatively regulates axonal outgrowth through regulation of the LIMK1 turnover (By similarity). Mediates 'Lys-6' and 'Lys-27'-linked polyubiquitination of AR/androgen receptor thereby modulating its transcriptional activity (PubMed:19345326). May also bind DNA and function as a transcriptional regulator (By similarity). Mediates polyubiquitination of QKI in macrophages, leading to its degradation (By similarity).

Cellular Location

Nucleus. Cytoplasm. Cell projection, axon {ECO:0000250|UniProtKB:Q9DBU5}. Nucleus, PML body {ECO:0000250|UniProtKB:Q9DBU5}. Note=Localizes to the PML nuclear bodies in Sertoli cells. {ECO:0000250|UniProtKB:Q9DBU5}

Tissue Location

Weakly expressed in peripheral blood, spleen, prostate, testis and ovary (PubMed:19345326). According to a report, it is preferentially expressed in testis and ovary and hardly detected in other tissues (PubMed:18368307).

RNF6 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF6 Antibody (C-term) Blocking Peptide - Images

RNF6 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene contains a RING-H2 finger motif. Deletions and mutations in this gene were detected in esophageal squamous cell carcinoma (ESCC), suggesting that this protein may be a potential tumor suppressor. Studies of the mouse counterpart suggested a role of this protein in the transcription regulation that controls germinal differentiation. Multiple alternatively spliced transcript variants encoding the same protein are observed.

RNF6 Antibody (C-term) Blocking Peptide - References

Xu, K., et al. Cancer Cell 15(4):270-282(2009) Zhu, L., et al. Sci. China, C, Life Sci. 51(4):302-307(2008) Tursun, B., et al. Genes Dev. 19(19):2307-2319(2005) Lo, H.S., et al. Cancer Res. 62(15):4191-4193(2002) Lopez, P., et al. Mol. Cell. Biol. 22(10):3488-3496(2002)