

RNF41 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18548b**Specification**

RNF41 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9H4P4](#)**RNF41 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10193**Other Names**

E3 ubiquitin-protein ligase NRDP1, 632-, RING finger protein 41, RNF41, FLRF, NRDP1

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.

RNF41 Antibody (C-term) Blocking Peptide - Protein Information**Name** RNF41**Synonyms** FLRF, NRDP1**Function**

Acts as E3 ubiquitin-protein ligase and regulates the degradation of target proteins. Polyubiquitinates MYD88. Negatively regulates MYD88-dependent production of pro-inflammatory cytokines. Can promote TRIF-dependent production of type I interferon and inhibits infection with vesicular stomatitis virus (By similarity). Promotes also activation of TBK1 and IRF3. Involved in the ubiquitination of erythropoietin (EPO) and interleukin-3 (IL-3) receptors. Thus, through maintaining basal levels of cytokine receptors, RNF41 is involved in the control of hematopoietic progenitor cell differentiation into myeloerythroid lineages (By similarity). Contributes to the maintenance of steady-state ERBB3 levels by mediating its growth factor-independent degradation. Involved in the degradation of the inhibitor of apoptosis BIRC6 and thus is an important regulator of cell death by promoting apoptosis. Acts also as a PRKN modifier that accelerates its degradation, resulting in a reduction of PRKN activity, influencing the balance of intracellular redox state. The RNF41-PRKN pathway regulates autophagosome-lysosome fusion during late mitophagy. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control (PubMed:24949970).

Tissue Location

Detected in ovary, testis and prostate.

RNF41 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF41 Antibody (C-term) Blocking Peptide - Images

RNF41 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. The specific function of this protein has not yet been determined. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq].

RNF41 Antibody (C-term) Blocking Peptide - References

Ingalla, E.Q., et al. J. Biol. Chem. 285(37):28691-28697(2010) Chen, L., et al. Cancer Res. 70(14):5994-6003(2010) Mo, X., et al. Parkinsonism Relat. Disord. 16(3):222-224(2010) Aharinejad, S., et al. Transplantation 89(2):245-252(2010) Yu, F., et al. Neurosci. Lett. 440(1):4-8(2008)