

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

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**RNF41 Antibody (C-term) Blocking Peptide - Product Information**Primary 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:<a href="http://www.uniprot.org/citations/24949970" target="\_blank">24949970</a>).

**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)