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RNF41 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18548b

Specification

RNF41 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H4P4
Other Accession	Q5FWL3, Q8BH75, Q7ZW16, NP_005776.1
Reactivity	**Human**
Predicted	**Zebrafish, Mouse, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35905**
Antigen Region	**255-281**

RNF41 Antibody (C-term) - Additional Information

Gene ID 10193

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

Target/Specificity
This RNF41 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255-281 amino acids from the C-terminal region of human RNF41.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RNF41 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF41 Antibody (C-term) - 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. Also acts 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).

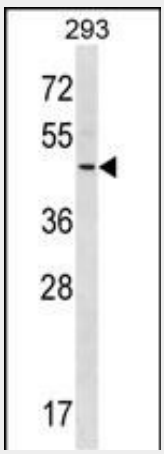
Tissue Location
Detected in ovary, testis and prostate.

RNF41 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF41 Antibody (C-term) - Images



RNF41 Antibody (C-term) (Cat. #AP18548b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the RNF41 antibody detected the RNF41 protein (arrow).

RNF41 Antibody (C-term) - 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) - 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)