

Datasheet for ABIN7151092
anti-RNF41 antibody (AA 1-317)



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3 Images

Overview

Quantity:	100 µL
Target:	RNF41
Binding Specificity:	AA 1-317
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF41 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase NRDP1 protein (1-317AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	RNF41
Alternative Name:	RNF41 (RNF41 Products)
Background:	Background: Acts as E3 ubiquitin-protein ligase and regulates the degradation of target proteins. Polyubiquitinates MYD88. Negatively regulates MYD88-dependent production of

Target Details

proinflammatory 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 PARK2 modifier that accelerates its degradation, resulting in a reduction of PARK2 activity, influencing the balance of intracellular redox state. The RNF41-PARK2 pathway regulates autophagosome-lysosome fusion during late mitophagy. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control (PubMed:24949970).

Aliases: 4930511A05Rik antibody, 4933415P08Rik antibody, E3 ubiquitin protein ligase NRDP1 antibody, E3 ubiquitin-protein ligase NRDP1 antibody, Fetal Liver RING finger protein antibody, FLRF antibody, MGC45228 antibody, Neuregulin receptor degradation protein 1 antibody, NRDP1 antibody, RING finger protein 41 antibody, rnf41 antibody, RNF41_HUMAN antibody, SBBI03 antibody

UniProt: [Q9H4P4](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

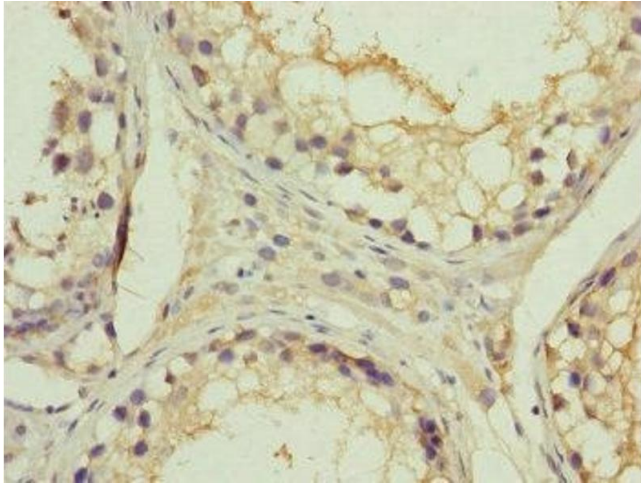
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

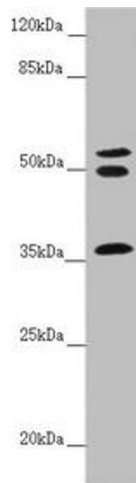
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



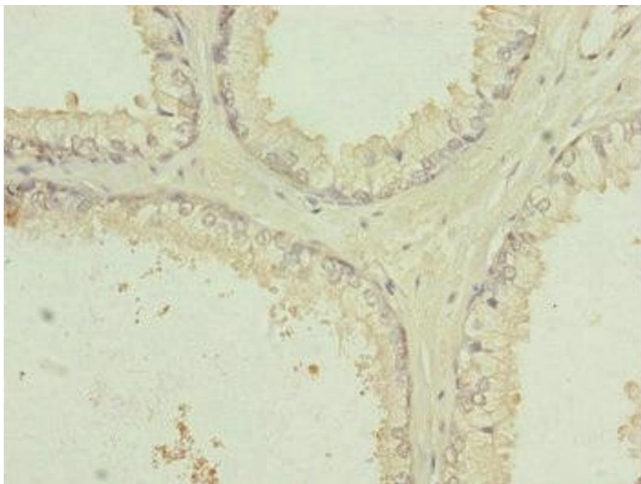
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7151092 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: RNF41 antibody at 5.55 μ g/mL + Mouse brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 36, 28 kDa Observed band size: 36, 50, 55 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human prostate cancer using ABIN7151092 at dilution of 1:100