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anti-RNF41 antibody



Overview

Quantity:	100 μg
Target:	RNF41
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF41 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	ring finger protein 41
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	RNF41
Alternative Name:	RNF41 (RNF41 Products)
Background:	Synonyms:FLRF, NRDP1 Background:Acts as E3 ubiquitin-protein ligase and regulates the
	degradation of target proteins. Polyubiquitinates MYD88. Negatively regulates MYD88-
	dependent production of 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).

Molecular Weight:36 kDaGene ID:10193UniProt:Q9H4P4

Pathways: SARS-CoV-2 Protein Interactome

Application Details

Application Notes: WB: 1:500-1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 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
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months