

Rabbit RNF41 Polyclonal Antibody | anti-RNF41 antibody

RNF41 Antibody

CATALOG # AAA327972	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	--

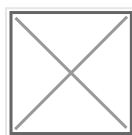
PRODUCT SYNONYMS

RNF41; Polyclonal Antibody; RNF41 Antibody; 4930511A05Rik; 4933415P08Rik; E3 ubiquitin protein ligase NRDP1; E3 ubiquitin-protein ligase NRDP1; Fetal Liver RING finger protein; FLRF; MGC45228; Neuregulin receptor degradation protein 1; NRDP1; RING finger protein 41; rnf41; RNF41_HUMAN; SBB103; anti-RNF41 antibody

PRODUCT SPECIFICATIONS

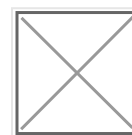
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RNF41 antibody detects endogenous levels of total RNF41
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-RNF41 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RNF41
Tissue Specificity	Detected in ovary, testis and prostate.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327972 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of RNF41 using HeLa whole cell lysates



WB (Western Blot)

Western blot analysis of extracts from rat muscle, using RNF41 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RNF41 antibody	Function: 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 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). Subunit Structure: Interacts with USP8, ERBB3, PRKN and BIRC6. Interacts with CSF2RB, EPOR, IL3RA, MYD88 and TBK1. Interacts with CLEC16A (By similarity). Post-translational Modifications: Autoubiquitinated. Autoubiquitination leads to proteasomal degradation. Deubiquitinated by USP8 to get stabilized which induces apoptosis.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	338827618
NCBI GeneID	10193
NCBI Accession #	NP_001229755.1
NCBI GenBank Nucleotide #	NM_001242826.1
UniProt Accession #	Q9H4P4; O75598; A6NFW0; B2RBT8
Molecular Weight	Observed: 36 kDa Predicted: 36 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase NRDP1 isoform 1
NCBI Official Synonym Full Names	ring finger protein 41
NCBI Official Symbol	RNF41
NCBI Official Synonym Symbols	FLRF; NRDP1; SBBI03
NCBI Protein Information	E3 ubiquitin-protein ligase NRDP1
UniProt Protein Name	E3 ubiquitin-protein ligase NRDP1
UniProt Gene Name	RNF41
UniProt Synonym Gene Names	FLRF; NRDP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.