

Rabbit anti-Human, Mouse RNF41 Polyclonal Antibody | anti-RNF41 antibody

RNF41 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232141	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

RNF41; Polyclonal Antibody; RNF41 Antibody; E3 ubiquitin-protein ligase NRDP1; RING finger protein 41; FLRF; NRDP1; SBBI03; anti-RNF41 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	317
Applicable Applications for anti-RNF41 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human E3 ubiquitin-protein ligase NRDP1 protein (1-317AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79996 / sc-79997 / sc-98353
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



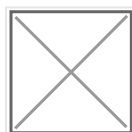
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA232141 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using AAA232141 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: RNF41 antibody at 5.55 ug/ml+ Mouse brain tissueSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 36,28 kDaObserved band size: 36,50,55 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RNF41 antibody	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).
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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	27,965 Da
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; SBB103
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
UniProt Entry Name	RNF41_HUMAN

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.