



Rabbit Anti-RNF41 antibody

SL9224R

Product Name:	RNF41
Chinese Name:	Ring finger protein41抗体
Alias:	E3 ubiquitin protein ligase NRDP1; Fetal Liver RING finger protein; FLRF; MGC45228; Neuregulin receptor degradation protein 1; NRDP1; Ring Finger Protein 41; SBBI03; RNF41_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RNF41:101-200/317
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	RNF41 contains one RING-type zinc finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. It acts as E3 ubiquitin-protein ligase and regulates the degradation of target proteins, such as ERBB3. RNF41 has been detected in ovary, testis and prostate.

Function:

Acts as E3 ubiquitin-protein ligase and regulates the degradation of target proteins. Polyubiquitinates MYD88 and Negatively regulates MYD88-dependent production of proinflammatory cytokines but can promote TRIF-dependent production of type I interferon. 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.

Subunit:

Interacts with USP8, ERBB3, PARK2 and BIRC6. Interacts with CSF2RB, EPOR, IL3RA, MYD88 and TBK1 (By similarity).

Tissue Specificity:

Detected in ovary, testis and prostate.

Post-translational modifications:

Autoubiquitinated. Autoubiquitination leads to proteasomal degradation. Deubiquitinated by USP8 to get stabilized which induces apoptosis.

Similarity:

Contains 1 RING-type zinc finger.
Contains 1 SIAH-type zinc finger.

SWISS:

Q9H4P4

Gene ID:

10193

Database links:

[Entrez Gene: 10193](#)Human

[Entrez Gene: 67588](#)Mouse

[Entrez Gene: 362814](#)Rat

[SwissProt: Q9H4P4](#)Human

[SwissProt: Q8BH75](#)Mouse

[Unigene: 524502](#)Human

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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