

Rabbit RNF138 Polyclonal Antibody | anti-RNF138 antibody

RNF138 Antibody

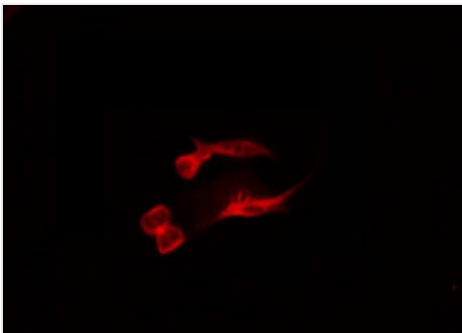
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324696	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RNF138; Polyclonal Antibody; RNF138 Antibody; E3 ubiquitin protein ligase RNF138; E3 ubiquitin-protein ligase RNF138; hNARF; HSD 4; HSD4; MGC8758; NARF; Nemo like kinase associated RING finger protein; Nemo-like kinase-associated RING finger protein; NLK associated RING finger protein; NLK-associated RING finger protein; RING finger protein 138; ring finger protein 138; E3 ubiquitin protein ligase; RN138_HUMAN; Rnf138; STRIN; anti-RNF138 antibody

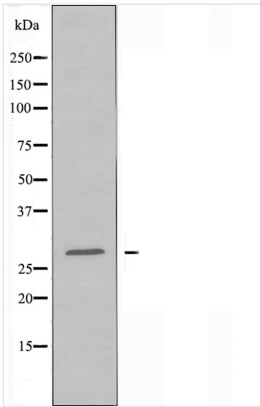
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RNF138 antibody detects endogenous levels of total RNF138
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	245
Applicable Applications for anti-RNF138 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)

AAA324696 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from MCF-7 cells, using RNF138 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RNF138 antibody

Function: E3 ubiquitin-protein ligase involved in DNA damage response by promoting DNA resection and homologous recombination (PubMed:26502055, PubMed:26502057). Recruited to sites of double-strand breaks following DNA damage and specifically promotes double-strand break repair via homologous recombination (PubMed:26502055, PubMed:26502057). Two different, non-exclusive, mechanisms have been proposed. According to a report, regulates the choice of double-strand break repair by favoring homologous recombination over non-homologous end joining (NHEJ): acts by mediating ubiquitination of XRCC5/Ku80, leading to remove the Ku complex from DNA breaks, thereby promoting homologous recombination (PubMed:26502055). According to another report, cooperates with UBE2Ds E2 ubiquitin ligases (UBE2D1, UBE2D2, UBE2D3 or UBE2D4) to promote homologous recombination by mediating ubiquitination of RBBP8/CtIP (PubMed:26502057). Together with NLK, involved in the ubiquitination and degradation of TCF/LEF (PubMed:16714285). Also exhibits auto-ubiquitination activity in combination with UBE2K (PubMed:16714285). May act as a negative regulator in the Wnt/beta-catenin-mediated signaling pathway (PubMed:16714285).

Subunit Structure: Interacts with NLK (PubMed:16714285). Interacts with XRCC5/Ku80 (PubMed:26502055). Interacts with RBBP8/CtIP (PubMed:26502057).

Post-translational Modifications: Auto-ubiquitinated.

Similarity: The zinc finger domains (C2H2-type and C2HC-type zinc fingers) bind DNA and mediate recruitment to double-strand break sites. They show strong preference for DNA with 5'-or 3'-single-stranded overhangs, while they do not bind blunt-ended double-stranded DNA or poly(ADP-ribose) (PAR) polymers.

NCBI AND UNIPROT INFORMATION

NCBI GI #	395455059
NCBI GeneID	51444
NCBI Accession #	NP_001178253.2
NCBI GenBank Nucleotide #	NM_001191324.1
UniProt Accession #	Q8WVD3; Q9H8K2; Q9UF87; Q9UKI6; B2RE17
Molecular Weight	Observed: 28 kD Predicted: 29 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase RNF138 isoform 1
NCBI Official Synonym Full Names	ring finger protein 138
NCBI Official Symbol	RNF138
NCBI Official Synonym Symbols	NARF; HSD-4; STRIN; hNARF
NCBI Protein Information	E3 ubiquitin-protein ligase RNF138

UniProt Protein Name	E3 ubiquitin-protein ligase RNF138
UniProt Gene Name	RNF138
UniProt Synonym Gene Names	NLK-associated RING finger protein1 PublicationManual assertion based on opinion iniRef.8; hNARF1 PublicationManual assertion based on opinion iniRef.8

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rnf138-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324696>