

RNF138 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17600C**Specification**

RNF138 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O8WVD3
Other Accession	O32LN5 , NP_057355.2
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28193
Antigen Region	76-103

RNF138 Antibody (Center) - Additional Information**Gene ID** 51444**Other Names**

E3 ubiquitin-protein ligase RNF138, 632-, Nemo-like kinase-associated RING finger protein, NLK-associated RING finger protein, hNARF, RING finger protein 138, RNF138, NARF

Target/Specificity

This RNF138 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-103 amino acids from the Central region of human RNF138.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNF138 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF138 Antibody (Center) - Protein Information**Name** RNF138 ([HGNC:17765](#))

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](#)).

Cellular Location

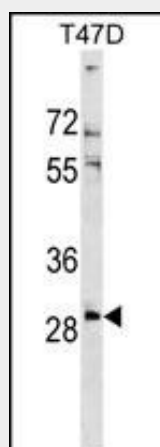
Chromosome. Note=Recruited at DNA damage sites (PubMed:[26502055](#)). Localizes to sites of double-strand break: localization to double-strand break sites is mediated by the zinc fingers (PubMed:[26502055](#), PubMed:[26502057](#))

RNF138 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF138 Antibody (Center) - Images



RNF138 Antibody (Center) (Cat. #AP17600c) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the RNF138 antibody detected the RNF138 protein (arrow).

RNF138 Antibody (Center) - Background

The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-DNA and protein-protein interactions. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

RNF138 Antibody (Center) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Yamada, M., et al. J. Biol. Chem. 281(30):20749-20760(2006)
Lim, J., et al. Cell 125(4):801-814(2006)
Saurin, A.J., et al. Trends Biochem. Sci. 21(6):208-214(1996)