

RNF138 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17600c**Specification**

RNF138 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8WVD3](#)**RNF138 Antibody (Center) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RNF138 Antibody (Center) Blocking Peptide - Protein InformationName RNF138 ([HGNC:17765](#))**Function**

E3 ubiquitin-protein ligase involved in DNA damage response by promoting DNA resection and homologous recombination (PubMed: [26502055](http://www.uniprot.org/citations/26502055), PubMed: [26502057](http://www.uniprot.org/citations/26502057)). Recruited to sites of double-strand breaks following DNA damage and specifically promotes double-strand break repair via homologous recombination (PubMed: [26502055](http://www.uniprot.org/citations/26502055), PubMed: [26502057](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/26502057)). Together with NLK, involved in the ubiquitination and degradation of TCF/LEF (PubMed: [16714285](http://www.uniprot.org/citations/16714285))

target="_blank">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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF138 Antibody (Center) Blocking Peptide - Images

RNF138 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)