

C4orf21 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11267a**Specification**

C4orf21 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q86YA3](#)
Other Accession [NP_060862.2](#)

C4orf21 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 55345

Other Names

Protein ZGRF1, GRF-type zinc finger domain-containing protein 1, ZGRF1, C4orf21

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.

C4orf21 Antibody (N-term) Blocking peptide - Protein Information

Name ZGRF1

Synonyms C4orf21

Function

5'-3' DNA helicase which is recruited to sites of DNA damage and promotes repair of replication-blocking DNA lesions through stimulation of homologous recombination (HR) (PubMed: [32640219](http://www.uniprot.org/citations/32640219)), PubMed: [34552057](http://www.uniprot.org/citations/34552057)). Promotes HR by directly stimulating RAD51-mediated strand exchange activity (PubMed: [32640219](http://www.uniprot.org/citations/32640219)). Not required to load RAD51 at sites of DNA damage but promotes recombinational repair after RAD51 recruitment (PubMed: [32640219](http://www.uniprot.org/citations/32640219)). Also promotes HR by positively regulating EXO1-mediated DNA end resection of double-strand breaks (PubMed: [34552057](http://www.uniprot.org/citations/34552057)). Required for recruitment of replication protein RPA2 to DNA damage sites (PubMed: [34552057](http://www.uniprot.org/citations/34552057)). Promotes the initiation of the G2/M checkpoint but not its maintenance (PubMed: [34552057](http://www.uniprot.org/citations/34552057)). Catalyzes

Holliday junction branch migration and dissociation of D-loops and DNA flaps (PubMed:32640219).

Cellular Location

Nucleus.

C4orf21 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C4orf21 Antibody (N-term) Blocking peptide - Images