

ZRAB3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10285c**Specification**

**ZRAB3 Antibody (Center) Blocking peptide -
Product Information**

Primary Accession [Q5FWF4](#)
Other Accession [NP_115519.2](#)

**ZRAB3 Antibody (Center) Blocking peptide -
Additional Information**

Gene ID 84083

Other Names

DNA annealing helicase and endonuclease
ZRANB3, Annealing helicase 2, AH2, Zinc
finger Ran-binding domain-containing
protein 3, DNA annealing helicase ZRANB3,
364-, Endonuclease ZRANB3, 31--, ZRANB3

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.

**ZRAB3 Antibody (Center) Blocking peptide -
Protein Information****Name** ZRANB3

{ECO:0000303|PubMed:22759634,
ECO:0000312|HGNC:HGNC:25249}

Function

DNA annealing helicase and endonuclease
required to maintain genome stability at
stalled or collapsed replication forks by
facilitating fork restart and limiting

**ZRAB3 Antibody (Center) Blocking peptide
- References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :

inappropriate recombination that could occur during template switching events (PubMed:21078962, PubMed:22704558, PubMed:22705370, PubMed:22759634, PubMed:26884333). Recruited to the sites of stalled DNA replication by polyubiquitinated PCNA and acts as a structure-specific endonuclease that cleaves the replication fork D-loop intermediate, generating an accessible 3'-OH group in the template of the leading strand, which is amenable to extension by DNA polymerase (PubMed:22759634). In addition to endonuclease activity, also catalyzes the fork regression via annealing helicase activity in order to prevent disintegration of the replication fork and the formation of double-strand breaks (PubMed:22705370, PubMed:22704558).

Cellular Location

Nucleus. Chromosome. Note=Following DNA damage, recruited to sites of DNA damage and stalled replication forks by polyubiquitinated PCNA (PubMed:22704558, PubMed:22705370, PubMed:22759634)

ZRAB3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)