

ZRANB3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56249**Specification**

ZRANB3 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	Q5FWF4
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	123248

ZRANB3 Polyclonal Antibody - 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, 3.6.4.-, Endonuclease ZRANB3, 3.1.-., ZRANB3 {ECO:0000303|PubMed:22759634, ECO:0000312|HGNC:HGNC:25249}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ZRANB3 Polyclonal Antibody - 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 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)

ZRANB3 Polyclonal Antibody - 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](#)

ZRANB3 Polyclonal Antibody - Images