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Datasheet for ABIN6150540

anti-ZRANB3 antibody (AA 818-1077)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	ZRANB3
Binding Specificity:	AA 818-1077
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZRANB3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 818-1077 of human ZRANB3 (NP_001273497.1).
Sequence:	ITKQQTQKQNC TKRYITKEDV AVASMDKVKN VGGHVRLITK ESRPRDPFTK KILLEDGACVP FLNPYTVQAD LTVKPSTSKG YLQAVDNEGN PLCLRCQQPT CQTKQACKAN SWDSRFCSLK CQEEFWIRSN NSYLRAKVFE TEHGVCQLCN VNAQELFLRL RDAPKSQRKN LLYATWTSKL PLEQLNEMIR NPGEHFWQV DHIKPVYGGG GQCSLDNLQT LCTVCHKERT ARQAKERSQV RRQSLASKHG SDITRFLVKK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	ZRANB3
Alternative Name:	ZRANB3 (ZRANB3 Products)
Background:	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. 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. 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.,ZRANB3,4933425L19Rik,AH2,Epigenetics & Nuclear Signaling,ZRANB3
Molecular Weight:	42 kDa/49 kDa/67 kDa/123 kDa
Gene ID:	84083
UniProt:	Q5FWF4

Application Details

Application Notes:	WB,1:1000 - 1:3000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

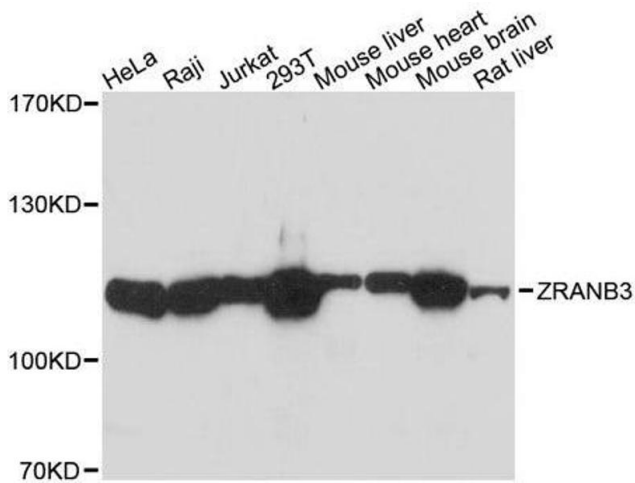
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in: Margalef, Kotsantis, Borel, Bellelli, Panier, Boulton: "Stabilization of Reversed Replication Forks by Telomerase Drives Telomere Catastrophe." in: **Cell**, Vol. 172, Issue 3, pp. 439-453.e14, (2019) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ZRANB3 antibody.