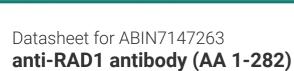
# antibodies -online.com









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Overview	
Quantity:	100 μL
Target:	RAD1
Binding Specificity:	AA 1-282
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
Immunogen:	Recombinant Human Cell cycle checkpoint protein RAD1 protein (1-282AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified
Purification: Target Details	Antigen Affinity Purified
	Antigen Affinity Purified  RAD1
Target Details	

major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the

RAD17-replication factor C (RFC) clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair (LP-BER). The 9-1-1 complex stimulates DNA polymerase beta (POLB) activity by increasing its affinity for the 3\\\'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds, endonuclease FEN1 cleavage activity on substrates with double, nick, or gap flaps of distinct sequences and lengths, and DNA ligase I (LIG1) on long-patch base excision repair substrates. The 9-1-1 complex is necessary for the recruitment of RHNO1 to sites of double-stranded breaks (DSB) occurring during the S phase. Isoform 1 possesses 3\\\'->5\\\' double stranded DNA exonuclease activity.

Aliases: Cell cycle checkpoint protein Hrad1 antibody, Cell cycle checkpoint protein Rad 1 A / B antibody, Cell cycle checkpoint protein RAD1 antibody, Checkpoint control protein HRAD1 antibody, Checkpoint control protein RAD1 antibody, DNA repair exonuclease antibody, DNA repair exonuclease rad1 antibody, DNA repair exonuclease rad1 homolog antibody, DNA repair exonuclease REC1 antibody, DNA repair protein RAD1 antibody, EC 3.1.11.2 antibody, Exonuclease homolog RAD1 antibody, GTP-binding protein RAD antibody, hRAD 1 antibody, hRAD1 antibody, MGC77779 antibody, RAD 1 antibody, RAD antibody, RAD1 antibody, RAD1 homolog (S. pombe) antibody, RAD1 homolog antibody, Rad1 like DNA damage checkpoint antibody, Rad1 like DNA damage checkpoint protein antibody, RAD1\_HUMAN antibody, Ras associated with diabetes antibody, REC 1 antibody, REC1 antibody, RRAD antibody

UniProt: 060671

Pathways: M Phase

# **Application Details**

Application Notes: Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,

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.

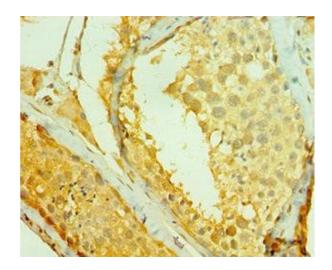
# Handling

Storage Comment:

Storage:	-20 °C,-80 °C

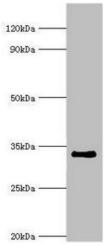
Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

# **Images**



## **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7147263 at dilution of 1:100



## **Western Blotting**

**Image 2.** Western blot All lanes: Cell cycle checkpoint protein RAD1 antibody at  $6 \mu g/mL + NIH/3T3$  whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 32, 28, 8 kDa Observed band size: 32 kDa