

[Go to Product page](#)

Datasheet for ABIN7112556 anti-RAD1 antibody

Overview

Quantity:	100 µg
Target:	RAD1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	RAD1 homolog(S. pombe)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	RAD1
Alternative Name:	RAD1 (RAD1 Products)
Background:	Synonyms:REC1 Background:Component of the 9-1-1 cell-cycle checkpoint response complex that plays a 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-

Target Details

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 RHN01 to sites of double-stranded breaks(DSB) occurring during the S phase. Isoform 1 possesses 3'->5' double stranded DNA exonuclease activity.

Molecular Weight: 32 kDa

Gene ID: 5810

UniProt: [O60671](#)

Pathways: [M Phase](#)

Application Details

Application Notes: WB: 1:500-1:2000, IP: 1:200-1:1000, IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 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: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months