



[Go to Product page](#)

Datasheet for ABIN6242553
anti-RAD9A antibody (C-Term)

2 Images

Overview

Quantity:	400 µL
Target:	RAD9A
Binding Specificity:	AA 279-313, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD9A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Rad9a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 279-313 amino acids from the C-terminal region of Mouse Rad9a.
Clone:	RB51320
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RAD9A
Alternative Name:	Rad9a (RAD9A Products)
Background:	Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA

Target Details

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 RHN01 to sites of double-stranded breaks (DSB) occurring during the S phase. RAD9A possesses 3'->5' double stranded DNA exonuclease activity (By similarity).

Molecular Weight: 42059

UniProt: [Q9Z0F6](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

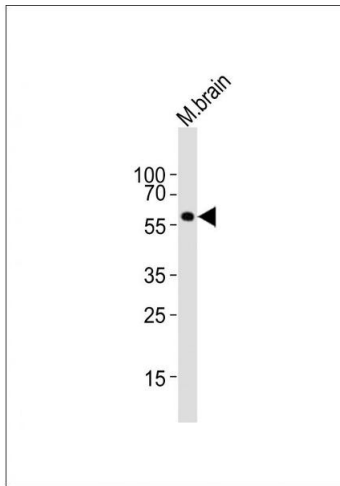
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

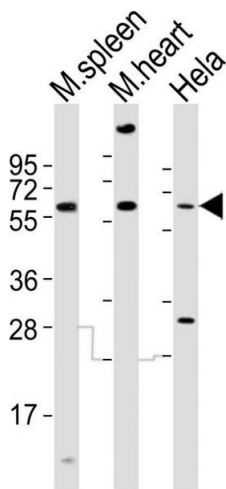
Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. Anti-Rad9a Antibody (C-term) at 1:1000 dilution + mouse brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 42 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 2. All lanes : Anti-Rad9a Antibody (C-term) at 1:2000 dilution Lane 1: mouse spleen lysates Lane 2: mouse heart lysates Lane 3: Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 42 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.