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Datasheet for ABIN1537647

anti-RAD50 antibody (C-Term)

1 Image

Overview

Quantity:	400 µL
Target:	RAD50
Binding Specificity:	AA 911-938, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD50 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Rad50 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 911-938 amino acids from the C-terminal region of mouse Rad50.
Clone:	RB40014
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RAD50
Alternative Name:	Rad50 (RAD50 Products)
Background:	Component of the MRN complex, which plays a central role in double-strand break (DSB) repair,

Target Details

DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-strand endonuclease activity and double-strand-specific 3'-5' exonuclease activity, which are provided by MRE11A. RAD50 may be required to bind DNA ends and hold them in close proximity. This could facilitate searches for short or long regions of sequence homology in the recombining DNA templates, and may also stimulate the activity of DNA ligases and/or restrict the nuclease activity of MRE11A to prevent nucleolytic degradation past a given point. The complex may also be required for DNA damage signaling via activation of the ATM kinase. In telomeres the MRN complex may modulate t-loop formation (By similarity).

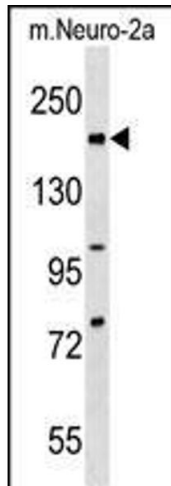
Molecular Weight:	153488
Gene ID:	19360
UniProt:	P70388
Pathways:	DNA Damage Repair , Protein targeting to Nucleus

Application Details

Application Notes:	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
Storage Comment:	Mouse Rad50 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

Image 1. Mouse Rad50 Antibody (C-term) (ABIN1537647 and ABIN2838236) western blot analysis in mouse Neuro-2a cell line lysates (35 µg/lane). This demonstrates the Rad50 antibody detected the Rad50 protein (arrow).