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Datasheet for ABIN2787356
anti-RAD1 antibody (Middle Region)

2 Images

Overview

Quantity:	100 µL
Target:	RAD1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Rabbit, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RAD1
Sequence:	ITMSPDKPYF RLSTFGNAGS SHLDYPKDSD LMEAFHCNQT QVNRYSKISLL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RAD1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RAD1
Alternative Name:	RAD1 (RAD1 Products)

Target Details

Background:	<p>This gene encodes a component of a heterotrimeric cell cycle checkpoint complex, known as the 9-1-1 complex, that is activated to stop cell cycle progression in response to DNA damage or incomplete DNA replication. The 9-1-1 complex is recruited by RAD17 to affected sites where it may attract specialized DNA polymerases and other DNA repair effectors. Alternatively spliced transcript variants of this gene have been described.</p> <p>Alias Symbols: HRAD1, REC1</p> <p>Protein Interaction Partner: ATRX, FEN1, UBC, MSH3, MSH2, MSH6, COPS5, HUS1, ATR, MAP1LC3B, HUS1B, RAD9B, RAD17, POLB, DNAJC7, PARK2, RPA2, RPA1, RAD9A,</p> <p>Protein Size: 282</p>
Molecular Weight:	32 kDa
Gene ID:	5810
NCBI Accession:	NM_002853 , NP_002844
UniProt:	O60671
Pathways:	M Phase

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 282 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RAD1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: COLO205 cell lysate

RAD1 is strongly supported by BioGPS gene expression data to be expressed in Human COLO205 cells

Western Blotting

Image 2. WB Suggested Anti-RAD1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: COLO205 cell lysate