Datasheet for ABIN6146626

anti-RAD17 antibody (AA 391-670)

3 Images

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Overview

Quantity:	100 µL
Target:	RAD17
Binding Specificity:	AA 391-670
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD17 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 391-670 of human RAD17 (NP_002864.1).
Sequence:	KILYCKRASL TELDSPRLPS HLSEYERDTL LVEPEEVVEM SHMPGDLFNL YLHQNYIDFF MEIDDIVRAS EFLSFADILS GDWNTRSLLR EYSTSIATRG VMHSNKARGY AHCQGGGSSF RPLHKPQWFL INKKYRENCL AAKALFPDFC LPALCLQTQL LPYLALLTIP MRNQAQISFI QDIGRLPLKR HFGRLKMEAL TDREHGMIDP DSGDEAQLNG GHSAEESLGE PTQATVPETW SLPLSQNSAS ELPASQPQPF SAQGDMEENI IIEDYESDGT
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	RAD17
Alternative Name:	RAD17 (RAD17 Products)
Background:	The protein encoded by this gene is highly similar to the gene product of Schizosaccharomyces pombe rad17, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by the checkpoint kinase ATR following damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. The phosphorylation of this protein is required for the DNA-damage-induced cell cycle G2 arrest, and is thought to be a critical early event during checkpoint signaling in DNA-damaged cells. Multiple alternatively spliced transcript variants of this gene, which encode four distinct protein isoforms, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified.,RAD17,CCYC,HRAD17,R24L,RAD17SP,RAD24,Epigenetics & Nuclear Signaling,DNA Damage & Repair,RAD17
Molecular Weight:	57 kDa/66 kDa/75 kDa/77 kDa
Gene ID:	5884
UniProt:	O75943

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

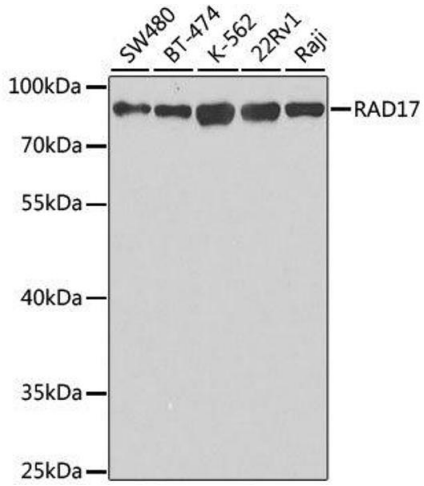
Handling

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.
Storage:	-20 °C

Handling

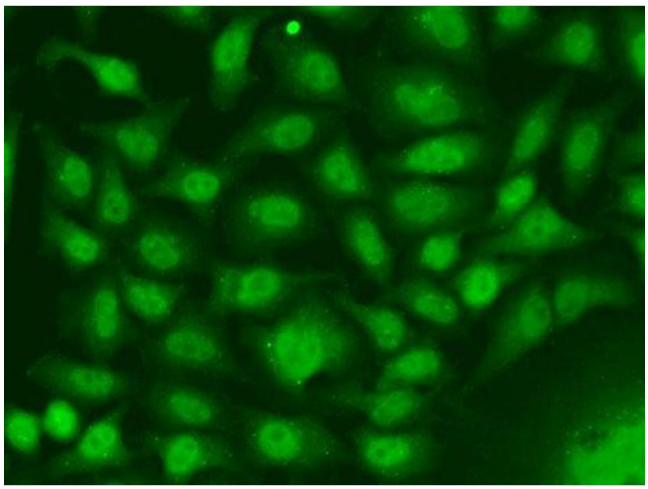
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



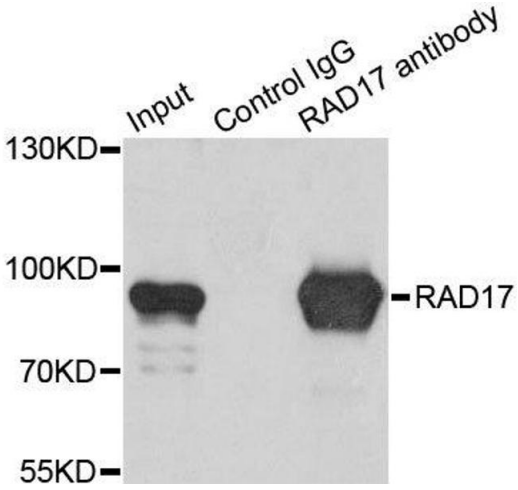
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using RAD17 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of A549 cells using RAD17 antibody.



Immunoprecipitation

Image 3. Immunoprecipitation analysis of 200ug extracts of K562 cells using 1ug RAD17 antibody.