Rabbit anti-Human RAD17 Polyclonal Antibody | anti-RAD17 antibody

RAD17 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289553	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, ELISA, Western Blot**

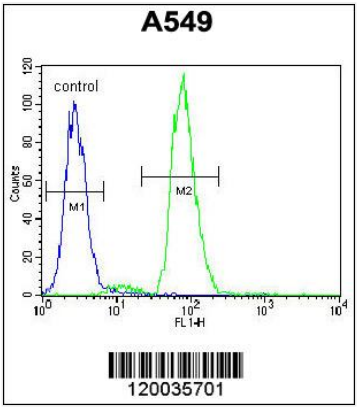
PRODUCT SYNONYMS

RAD17; Polyclonal Antibody; RAD17 Antibody (Center); Cell cycle checkpoint protein RAD17; hRad17; RF-C/activator 1 homolog; R24L; anti-RAD17 antibody

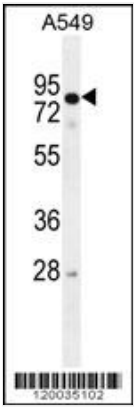
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RAD17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-246 amino acids from the Central region of human RAD17.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.46 (varies by lot)
Sequence Positions	218-246
Sequence Length	584
Applicable Applications for anti-RAD17 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
RAD17 Antibody (Center) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
RAD17 Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the RAD17 antibody detected the RAD17 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RAD17 antibody	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. Eight alternatively spliced transcript variants of this gene, which encode four distinct proteins, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified.
Product Categories/Family for anti-RAD17 antibody	Cell Biology
References	Zhang, L., et al. EMBO J. 29(10):1726-1737(2010) Vega, A., et al. Gynecol. Oncol. 112(1):210-214(2009) Beretta, G.L., et al. Cancer Lett. 266(2):194-202(2008) Zhao, M., et al. Head Neck 30(1):35-42(2008) Rodriguez-Bravo, V., et al. Cancer Res. 66(17):8672-8679(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	520261542
NCBI GeneID	5884
NCBI Accession #	NP_001265551.1; NP_002864.1; NP_579916.1; NP_579917.1; NP_579918.1; NP_579919.1; NP_579920.1; NP_579921.1; NP_579922.1
NCBI GenBank Nucleotide #	NM_001278622.1
UniProt Accession #	O75943; O75714; Q7Z3S4; Q9UNK7; Q9UNR7; Q9UNR8; Q9UPF5; A8K8X2; D3DWA5
Molecular Weight	77055

NCBI Official Full Name	cell cycle checkpoint protein RAD17 isoform 1
NCBI Official Synonym Full Names	RAD17 checkpoint clamp loader component
NCBI Official Symbol	RAD17
NCBI Official Synonym Symbols	CCYC; R24L; RAD24; HRAD17; RAD17SP
NCBI Protein Information	cell cycle checkpoint protein RAD17
UniProt Protein Name	Cell cycle checkpoint protein RAD17
UniProt Gene Name	**RAD17**
UniProt Synonym Gene Names	R24L; hRad17
UniProt Entry Name	RAD17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/rad17-antibody-flow-cytometry-western-blot-elisa/289553