

Rabbit anti-Human, Rat RAD18 Polyclonal Antibody | anti-RAD18 antibody

RAD18 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324693	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

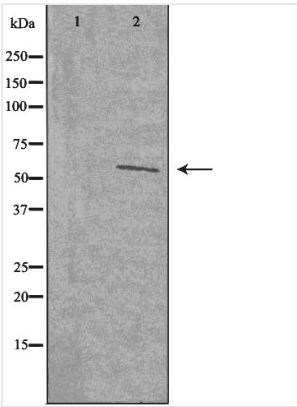
PRODUCT SYNONYMS

RAD18; Polyclonal Antibody; RAD18 Antibody; 2810024C04Rik; DNA repair protein rad18; E3 ubiquitin-protein ligase RAD18; EC 6.3.2.-; hHR 18; hHR18; hRAD 18; hRAD18; MGC156682; Postreplication repair E3 ubiquitin-protein ligase RAD18; Postreplication repair protein hRAD18p; Postreplication repair protein RAD18; RAD 18; RAD18 homolog (S. cerevisiae); RAD18 homolog; RAD18 S. cerevisiae homolog; RAD18 S. cerevisiae homolog of; RAD18 transcript variant; RAD18_HUMAN; Rad18sc; Radiation sensitivity protein 18; RING finger protein 73; RNF 73; RNF73; Structural maintenance of chromosomes protein 6; YCR066W; YCR66W; anti-RAD18 antibody

PRODUCT SPECIFICATIONS

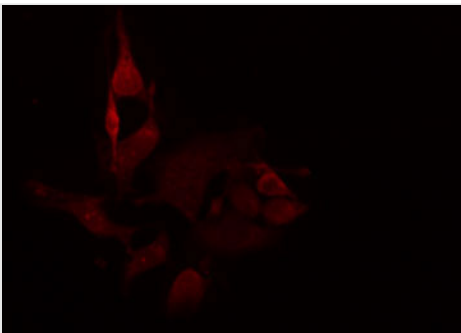
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAD18 antibody detects endogenous levels of total RAD18
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	495
Applicable Applications for anti-RAD18 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from LOVO cells using RAD18 antibody.



IF (Immunofluorescence)

AAA324693 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD18 antibody	Function: E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap-filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity. Subunit Structure: Homodimer (PubMed:21549715). Interacts with UBE2A and UBE2B, one homodimer binding one molecule of UBE2B. Interacts with SHPRH (PubMed:17130289, PubMed:17108083). Interacts with HLTF (PubMed:18316726, PubMed:18719106). Interacts with SPRTN; leading to enhance chromatin association of RAD18 and RAD18-mediated PCNA ubiquitination and translesion DNA synthesis (PubMed:22681887). Interacts (via C-terminus and phosphorylated form) with SLF1 (via BRCT domains); this interaction is required for efficient repair of UV-induced DNA damage (PubMed:15632077, PubMed:22036607, PubMed:25931565). Interacts with SLF2 (PubMed:25931565). Interacts with SMC5; this interaction is increased in a SLF1 or SLF2-dependent manner (PubMed:25931565). Similarity: Belongs to the RAD18 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	256818821
NCBI GeneID	56852
NCBI Accession #	NP_064550.3
NCBI GenBank Nucleotide #	NM_020165.3
UniProt Accession #	Q9NS91; Q58F55; Q9NRT6
Molecular Weight	Observed: 56 kD Predicted: 57 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase RAD18
NCBI Official Synonym Full Names	RAD18, E3 ubiquitin protein ligase
NCBI Official Symbol	RAD18
NCBI Official Synonym Symbols	RNF73
NCBI Protein Information	E3 ubiquitin-protein ligase RAD18
UniProt Protein Name	E3 ubiquitin-protein ligase RAD18
UniProt Gene Name	RAD18

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/rad18-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324693>