

RAD18 Antibody

Catalog No: #34662

Package Size: #34662-1 50ul #34662-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

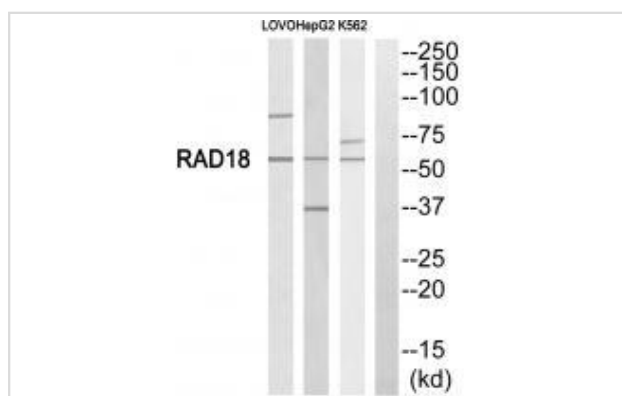
Description

Product Name	RAD18 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total RAD18 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human RAD18.
Target Name	RAD18
Other Names	E3 ubiquitin-protein ligase RAD18; hHR18; hRAD18; postreplication repair protein hRAD18p; Postreplication repair protein RAD18
Accession No.	Swiss-Prot: Q9NS91NCBI Gene ID: 56852
Uniprot	Q9NS91
GeneID	56852;
SDS-PAGE MW	56kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from LOVO cells, HepG2 cells and K562 cells, using RAD18 antibody #34662.

Background

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.

Tateishi S., Proc. Natl. Acad. Sci. U.S.A. 97:7927-7932(2000).

Xin H., Nucleic Acids Res. 28:2847-2854(2000).

Muzny D.M., Nature 440:1194-1198(2006).

Note: This product is for in vitro research use only