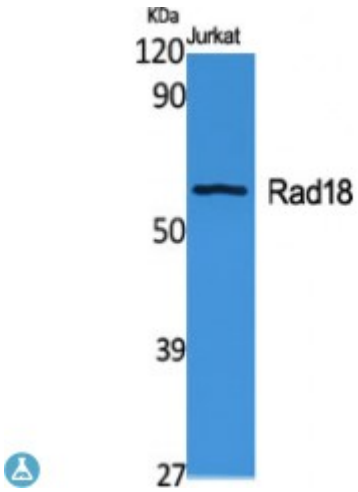
Anti-Rad18 antibody



Description	Rabbit polyclonal to Rad18.

Model	STJ95324
Host	Rabbit
Reactivity	Human, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Rad18
Immunogen Region	270-350 aa, Internal
Gene ID	56852
Gene Symbol	RAD18
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	Rad18 Polyclonal Antibody detects endogenous levels of Rad18 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase RAD18 Postreplication repair protein RAD18 hHR18 hRAD18 RING finger protein 73 RING-type E3 ubiquitin transferase RAD18
Molecular Weight	56 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:18278OMIM:605256
Alternative Names	E3 ubiquitin-protein ligase RAD18 Postreplication repair protein RAD18 hHR18 hRAD18 RING finger protein 73 RING-type E3 ubiquitin transferase RAD18
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.
Cellular Localization	Nucleus Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Associates with chromatin . Colocalizes with SLF1 in the nucleus and to centrosomes . Relocalizes with SLF1 to nuclear foci in response to DNA damage . Accumulates with the SLF1-SLF2 and SMC5-SMC6 complexes at replication-coupled DNA interstrand repair and DNA double-strand breaks (DSBs) sites on chromatin in a ubiquitin-dependent manner .