



Anti-RAD18 (aa 332-430) polyclonal antibody (DPAB-DC2534)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is highly similar to <i>S. cerevisiae</i> DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens.
Immunogen	RAD18 (NP_064550, 332 a.a. ~ 430 a.a) partial recombinant protein with GST tag. The sequence is EKEIDEIHSKYRKKHKSEFQLLVDQARKGYKKIAGMSQKTVTITKEDESTTEKLSSVCMGQ EDNMTSVTNHFSQSKLDSPEELEPDREEDSSSCIDIQEV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RAD18 RAD18 homolog (S. cerevisiae) [Homo sapiens (human)]
Official Symbol	RAD18
Synonyms	RAD18; RAD18 homolog (S. cerevisiae); RNF73; E3 ubiquitin-protein ligase RAD18; hHR18; hRAD18; RING finger protein 73; RAD18, S. cerevisiae, homolog; postreplication repair protein RAD18; postreplication repair protein hRAD18p;
Entrez Gene ID	56852
Protein Refseq	NP_064550
UniProt ID	Q9NS91
Chromosome Location	3p25-p24
Function	Y-form DNA binding; damaged DNA binding; ligase activity; polyubiquitin binding