

## Product datasheet for **TA336384**

### **RAD18 Mouse Monoclonal Antibody [Clone ID: 79B1048.1]**

#### **Product data:**

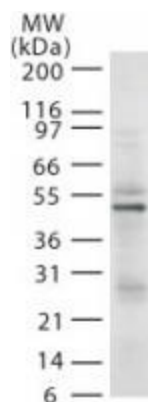
|                            |  |
|----------------------------|--|
| <b>Product Type:</b>       | Primary Antibodies   |
| <b>Clone Name:</b>         | 79B1048.1  |
| <b>Applications:</b>       | WB   |
| <b>Recommend Dilution:</b> | WB: 2-4 ug/ml  |
| <b>Reactivity:</b>         | Human  |
| <b>Host:</b>               | Mouse  |
| <b>Isotype:</b>            | IgG1   |
| <b>Clonality:</b>          | Monoclonal   |
| <b>Immunogen:</b>          | The antibody was raised against a synthetic peptide corresponding to the amino acids 402-414 of human Rad18.   |
| <b>Formulation:</b>        | PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| <b>Concentration:</b>      | 0.5 mg/ml  |
| <b>Purification:</b>       | Protein G purified   |
| <b>Gene Name:</b>          | RAD18, E3 ubiquitin protein ligase   |
| <b>Database Link:</b>      | <a href="#">NP_064550 Entrez Gene 56852 Human</a>  |
| <b>Background:</b>         | Human Rad18 (hRad18) is homologue of the <i>S. pombe</i> Rad18 (3,4). In yeast, Rad6 and Rad18 play a crucial role in post-replication repair functions in gap-filling of a daughter strand on replication of damaged DNA (2). Furthermore, Rad6-Rad18 interaction is thought to be critical at an early step during lesion bypass in yeast. In vivo, Rad18 protein forms a tight complex with Rad6 through a conserved ring-finger motif (3,4). It has been suggested that Rad18-Rad6 complex binds to the damaged sites by the single-stranded DNA binding property of Rad 18. This is followed by degradation of the stalled components of DNA replication by ubiquitin-conjugating enzyme activity of Rad6 (1). The human Rad18 maps on chromosome 3p24-25, the region which is often deleted in lung, breast, ovary, and testis cancers. The human RAD18 gene codes for a protein of 495 amino acids with a predicted molecular weight of 56 kDa. The human Rad18 is ubiquitously expressed in various human tissues. |
| <b>Synonyms:</b>           | RNF73  |



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Protein Families: Druggable Genome

### Product images:



Western Blot: RAD18 Antibody (79B1048.1)  
TA336384 - The anti-Rad18 mAb was diluted at 2  
ug/ml and tested against 20 ug of HL-60 cell  
lysate.