

DATASHEET

RAD18 Rabbit Polyclonal Antibody

CAT. NO. APA08154

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------------|
| Target | RAD18 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat, Pig, Monkey | Clonality | Polyclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at-20°C |

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

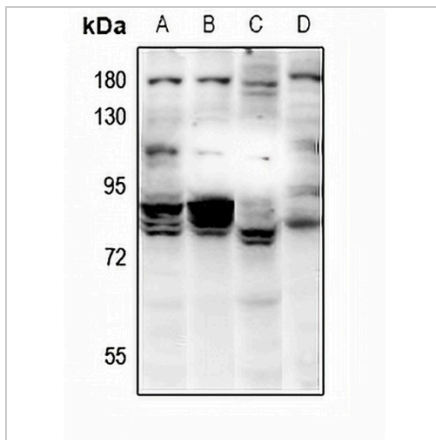
| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to RAD18 |
| Specificity | Recognizes endogenous levels of RAD18 protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RAD18. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 56 kD; Observed: 75 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | RNF73; E3 ubiquitin-protein ligase RAD18; Postreplication repair protein RAD18; hHR18; hRAD18; RING finger protein 73 |
| Gene Symbol | RAD18 |
| Entrez Gene | 56852(Human) |
| SwissProt | Q9NS91(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of RAD18 expression in HeLa (A), PC12 (B), HEK293T (C), AML12 (D) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 75 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.