

For Research Use Only

RAD51AP1 Monoclonal antibody, PBS Only

Catalog Number: 68560-1-PBS



Basic Information

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|--------------------------------------|--|--|
| Catalog Number: 68560-1-PBS | GenBank Accession Number: BC016330 | Purification Method: Protein A purification |
| Concentration: 1mg/ml | GeneID (NCBI): 10635 | CloneNo.: 2D8B1 |
| Source: Mouse | UNIPROT ID: Q96B01 | |
| Isotype: IgG1 | Full Name: RAD51 associated protein 1 | |
| Immunogen Catalog Number: AG28385 | Calculated MW: 38 kDa | |
| | Observed MW: 38-40 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

Homologous recombination (HR) is an important pathway for the elimination of DNA double-strand breaks (DSBs) and other deleterious lesions from chromosomes. The eukaryotic HR reaction is mediated by RAD51 [PMID:12456786]. RAD51AP1 (RAD51 associated protein 1), so named because it can interact with human RAD51, is a vertebrate-specific protein that enhances the ability of RAD51 to mediate the D-loop reaction. RAD51AP1 knockdown by siRNA leads to cellular sensitivity to DNA damaging agents and elevated DNA damage-induced chromatid breaks. Enhancement of the RAD51 recombinase activity by RAD51AP1 is contingent upon the physical interaction of the two HR factors [PMID:17996710,17996711].

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

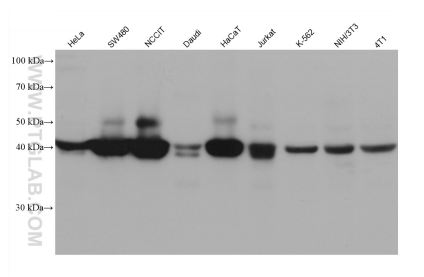
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68560-1-Ig (RAD51AP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68560-1-PBS in a different storage buffer formulation.