

For Research Use Only

RAD51AP1 Monoclonal antibody, PBS Only



Catalog Number: 68560-1-PBS

Basic Information

Catalog Number: 68560-1-PBS	GenBank Accession Number: BC016330	Purification Method: Protein G purification
Size: 1 mg/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.

Storage Buffer:
PBS Only

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

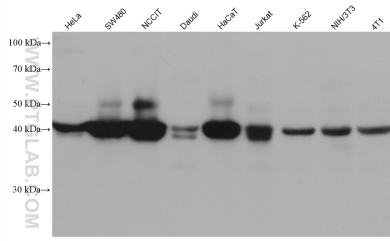
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Selected Validation Data



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.