

For Research Use Only

RAD50 Recombinant antibody, PBS Only

Catalog Number: 84969-4-PBS



Basic Information

Catalog Number: 84969-4-PBS	GenBank Accession Number: NM_005732	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 10111	CloneNo.: 242541A5
Source: Rabbit	UNIPROT ID: Q92878	
Isotype: IgG	Full Name: RAD50 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG29949	Calculated MW: 154 kDa	
	Observed MW: 154 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

RAD50 belongs to the ABC-ATPase protein family that concurs in forming the Nucleotide Binding Domain (NBD). ATP binding to Rad50 induces a conformational change that dramatically increases the Rad50 NBD affinity for itself, allowing for its dimerization (PMID: 37569756). The Mre11-Rad50 (MR) complex has key functions in the detection, signaling and repair of DNA breaks (PMID: 35501303).

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:

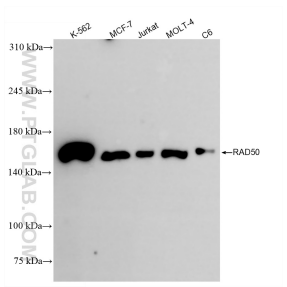
T: 4006900926

E: Proteintech-CN@ptglab.com

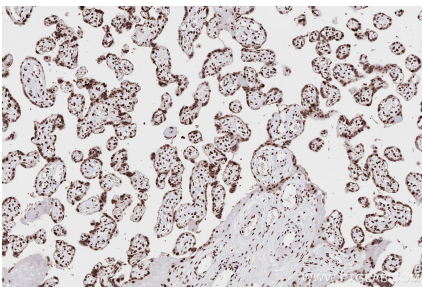
W: ptgcn.com

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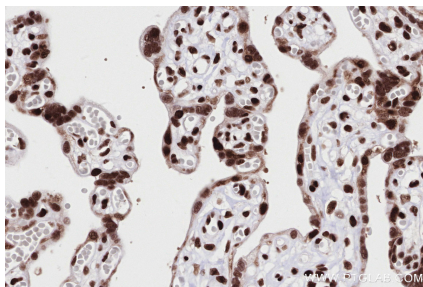
Selected Validation Data



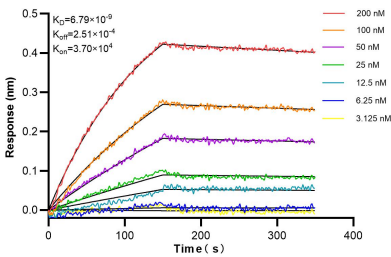
Various lysates were subjected to SDS PAGE followed by western blot with 84969-4-RR (RAD50 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84969-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84969-4-RR (RAD50 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84969-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84969-4-RR (RAD50 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84969-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84969-4-RR against Human RAD50 were performed. The affinity constant is 6.79 nM.