

RAD9A Monoclonal Antibody

Catalog No: #27193



Package Size: #27193-1 50ul #27193-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

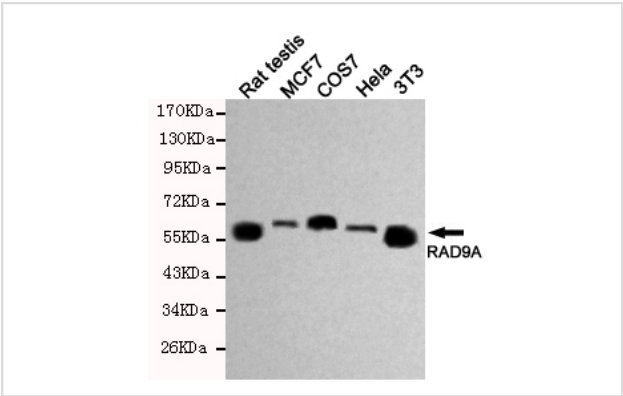
Description

Product Name	RAD9A Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	3A3-A7-F8
Isotype	IgG2b
Purification	Affinity purified
Applications	WB IP
Species Reactivity	Human;Mouse;Rat;Monkey
Specificity	This antibody detects endogenous levels of RAD9A,and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human Rad9A protein fragments expressed in E.coli
Conjugates	Unconjugated
Target Name	RAD9A
Other Names	Cell cycle checkpoint control protein; DNA repair exonuclease rad9 homolog A; hRAD 9; hRAD9; Rad 9; RAD 9A; RAD9 (S pombe) homolog; RAD9 homolog A; RAD9 homolog; RAD9A;
Accession No.	Uniprot: Q99638 Gene ID: 5883
SDS-PAGE MW	55kd
Formulation	Purified mouse monoclonal in PBS(pH 7.4)containing with 0.2% sodium azide,50% glycerol.
Storage	store at -20ℳ C

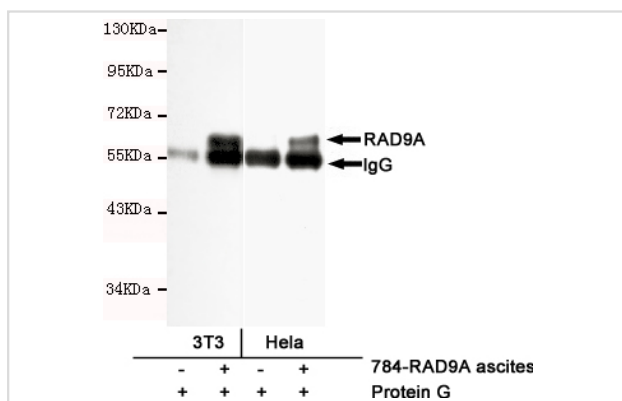
Application Details

Western blotting: 1:500

Images



Western blot detection of RAD9A in Hela,MCF7,3T3,COS7&Rat testis cell lysates using RAD9A antibody(1:500 diluted).Predicted band size:43KDa,Observed band size:55KDa



Immunoprecipitation analysis of HeLa & 3T3 cell lysates using RAD9A antibody

Background

Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the RAD17-replication factor C(RFC)clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair(LP-BER). The 9-1-1 complex stimulates DNA polymerase beta(POLB)activity by increasing its affinity for the 3'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds;endonuclease FEN1 cleavage activity on substrates with double,nick,or gap flaps of distinct sequences and lengths;and DNA ligase I(LIG1)on long-patch base excision repair substrates. The 9-1-1 complex is necessary for the recruitment of C12orf32/RHINO to sites of double-stranded breaks(DSB)occurring during the S phase. RAD9A possesses 3'->5' double stranded DNA exonuclease activity. Its phosphorylation by PRKCD may be required for the formation of the 9-1-1 complex.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.