

For Research Use Only

RAD1 Polyclonal antibody

Catalog Number: 11726-2-AP **5 Publications**



Basic Information

Catalog Number: 11726-2-AP	GenBank Accession Number: BC006837	Purification Method: Antigen affinity purification
Size: 350 ug/ml	GeneID (NCBI): 5810	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: O60671	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: RAD1 homolog (S. pombe)	IHC 1:500-1:2000
Immunogen Catalog Number: AG2316	Calculated MW: 32 kDa	IF/ICC 1:50-1:500
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
human, rat, rainbow trout

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, mouse spleen tissue, K-562 cells, L02 cells

IP: HeLa cells,

IHC: human lung tissue,

IF/ICC: HeLa cells,

Background Information

RAD1, cell cycle checkpoint protein, is a component of a heterotrimeric cell cycle checkpoint 9-1-1 complex, that is activated to stop cell cycle progression in response to DNA damage or incomplete DNA replication. RAD1, HUS1 and RAD9 are central components of a DNA damage-responsive protein complex. Testis-specific disruption of RAD1 in mice resulted in defective double-strand break repair, depletion of germ cells and infertility (PMID: 35133274). RAD1 has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoli Xu	30184152	J Mol Cell Biol	WB
Bin Chen	35152263	Oncogene	WB
Rongyi Shi	32783654	Am J Physiol Cell Physiol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

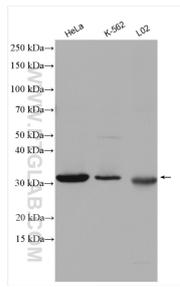
T: 4006900926

E: Proteintech-CN@ptglab.com

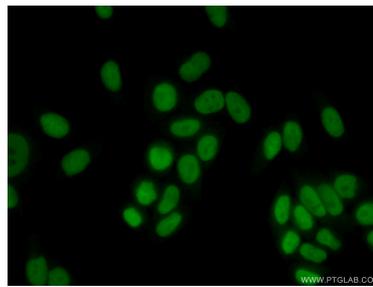
W: ptgcn.com

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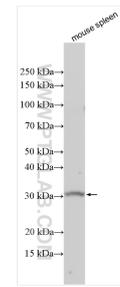
Selected Validation Data



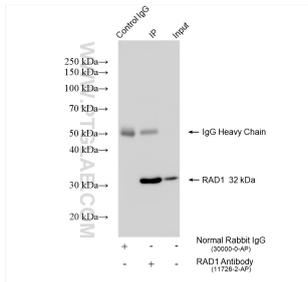
Various lysates were subjected to SDS PAGE followed by western blot with 11726-2-AP (RAD1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



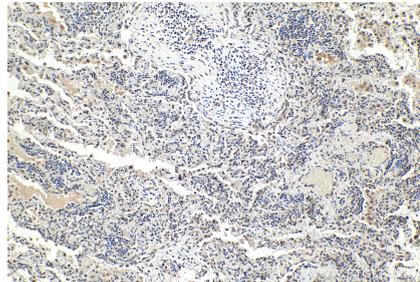
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 11726-2-AP (RAD1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



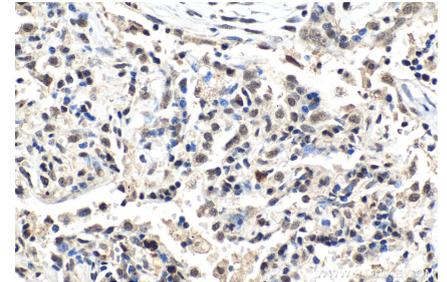
Various lysates were subjected to SDS PAGE followed by western blot with 11726-2-AP (RAD1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-RAD1 (IP:11726-2-AP, 4ug; Detection:11726-2-AP 1:2000) with HeLa cells lysate 1200 ug.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 11726-2-AP (RAD1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 11726-2-AP (RAD1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).