

For Research Use Only

RAD18 Polyclonal antibody, PBS Only

Catalog Number: 18333-1-PBS

Featured Product



Basic Information

Catalog Number:

18333-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12944

GenBank Accession Number:

BC001302

GeneID (NCBI):

56852

UNIPROT ID:

Q9NS91

Full Name:

RAD18 homolog (*S. cerevisiae*)

Calculated MW:

56 kDa

Observed MW:

75 kDa, 85 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

Background Information

RAD18 (E3 ubiquitin-protein ligase RAD18) is also named as RNF73, HHR18 and belongs to the RAD18 family. It is involved in postreplication repair of UV-damaged DNA. RAD18 protein is detected in human cells as two major bands at 75 and 85 kDa by Western blot. The bands are identified as nonubiquitinated and monoubiquitinated forms of Rad18, respectively (PMID: 15509568). Monoubiquitinated RAD18 is detected mainly in the cytoplasm, whereas nonubiquitinated RAD18 is detected predominantly in the nuclei (PMID: 15509568). This antibody is specific to RAD18.

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, pH7.3

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

T: 4006900926

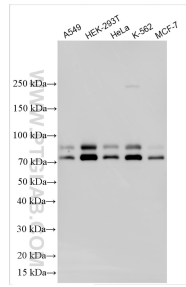
E: Proteintech-CN@ptglab.com

W: ptgcn.com

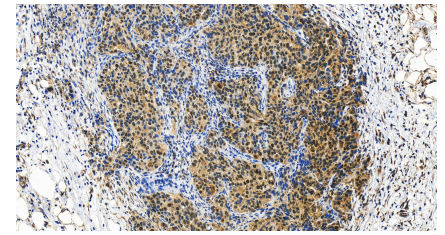
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

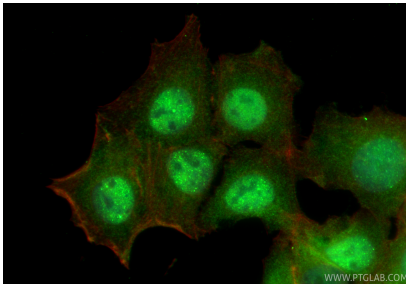
IP result of anti-RAD18 (IP:18333-1-AP, 3ug; Detection:18333-1-AP 1:300) with K-562 cells lysate 2000ug. This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 18333-1-AP (RAD18 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 18333-1-AP (RAD18 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using RAD18 antibody (18333-1-AP) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.