

RAD18 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human RAD18
Form	Liquid
Concentration	0.1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2646276

Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.4 µg/mL	-
Immunohistochemistry (IHC)	1:20-1:50	-
Immunocytochemistry (ICC/IF)	0.25-2 µg/mL	-

Product Specific Information

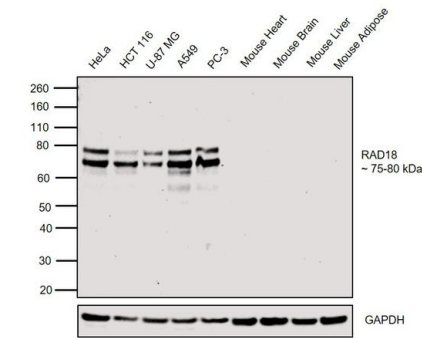
Immunogen sequence: LESPAKSPAS SSSKNLAVKV YTPVASRQSL KQGSRLMDNF LIREMSGSTS ELLIKENKSK FSPQKEASPA AKTKETRSVE EIAPDPSEAK RPEPPSTSTL KQVTKVDCP

Highest antigen sequence identity to the following orthologs: Mouse - 52%, Rat - 56%.

Product Images For RAD18 Polyclonal Antibody

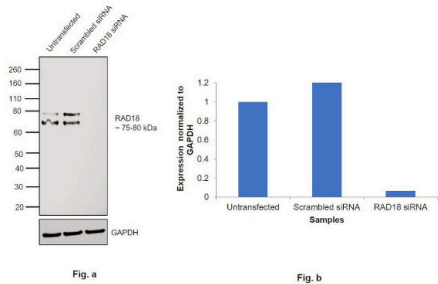
RAD18 Antibody (PA5-52602) in WB

Western blot was performed using Anti-RAD18 Polyclonal Antibody(Product # PA5-52602) and a 75 kDa and 80kDa band corresponding to RAD18 were observed across cell lines tested. This product does not show reactivity to mouse tissues. Whole Cell Extract-WCL (30 µg lysate) of HeLa (Lane 1), HCT 116 (Lane 2), U-87 MG (Lane 3), A549 (Lane 4), PC-3 (Lane 5), Mouse Heart (Lane 6), Mouse Brain (Lane 7), Mouse Liver (Lane 8) and Mouse Adipose (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.4 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



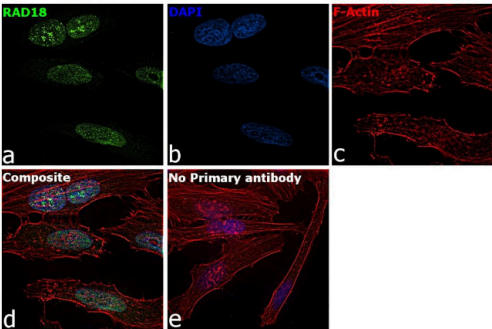
RAD18 Antibody (PA5-52602)

Antibody specificity was demonstrated by siRNA mediated KD of target protein. HeLa cells were transfected with RAD18 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-RAD18 Polyclonal Antibody (Product # PA5-52602). {KD}



RAD18 Antibody (PA5-52602) in ICC/IF

Immunofluorescence analysis of RAD18 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with RAD18 Polyclonal Antibody (Product # PA5-52602) at 2 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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