

Phospho-RAD17 (Ser656) Recombinant Polyclonal Antibody (12HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	12HCLC
Conjugate	Unconjugated
Immunogen	Peptide corresponding to Human RAD17 (aa 653-660)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2632996

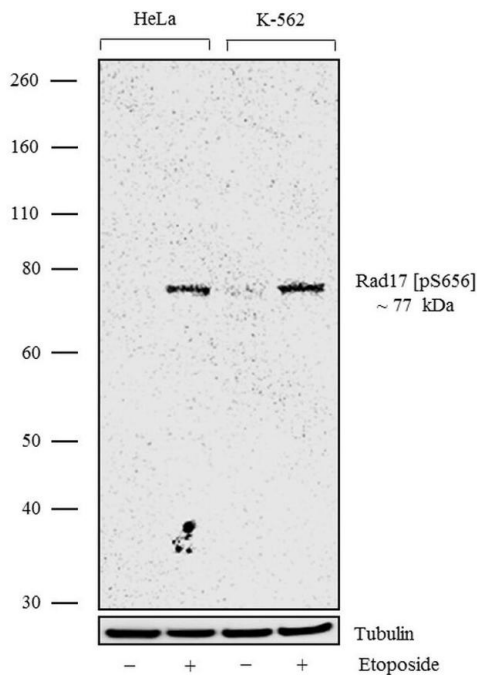
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-

Product Specific Information

This antibody is predicted to react with Monkey, Sheep and Bovine

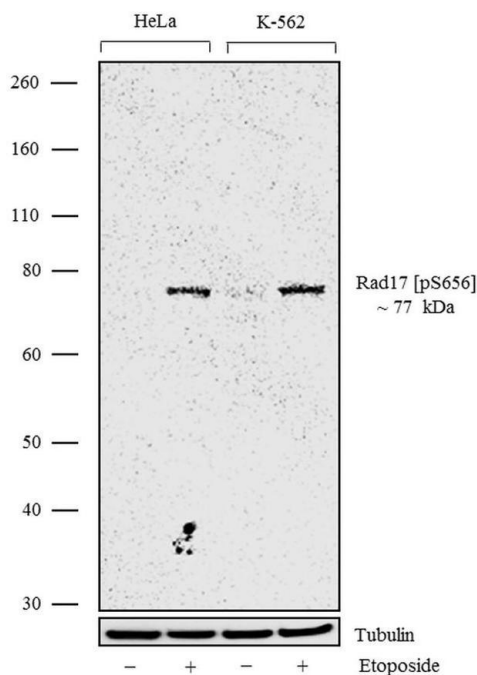
Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For Phospho-RAD17 (Ser656) Recombinant Polyclonal Antibody (12HCLC)



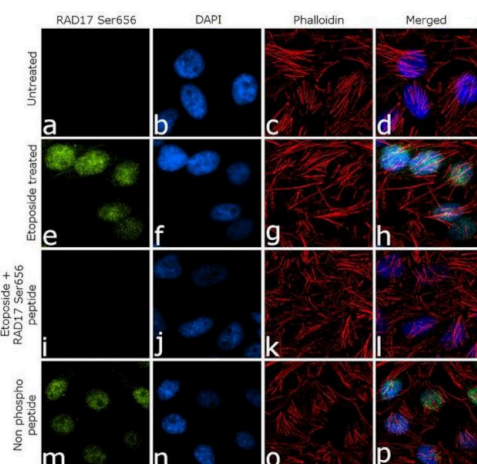
Phospho-RAD17 (Ser656) Antibody (711717)

Modulation of expression of target protein by cell treatment to demonstrate antibody specificity. Western blotting analysis of Rad17 [pS656] using Rad17 [pS656] Recombinant Rabbit Polyclonal Antibody (Product # 711717) shows induction of Rad17 [pS656] in Etoposide treated HeLa and K562 cells. {TM}



Phospho-RAD17 (Ser656) Antibody (711717) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with Etoposide (100 µM/mL for 2hr) (Lane 2), K-562 (Lane 3) and K-562 treated with Etoposide (100 µM/mL for 2hr) (Lane 4). The blots were probed with Anti-Rad17 (pS656) Recombinant Rabbit Polyclonal Antibody (Product # 711717, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 77 kDa band corresponding to Rad17 (pS656) was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



Phospho-RAD17 (Ser656) Antibody (711717) in ICC/IF

For immunofluorescence analysis, HeLa cells were fixed and permeabilized for detection of endogenous RAD17 pS656 using Anti-RAD17 pS656 Recombinant Rabbit Polyclonal Antibody (Product # 711717, 2 µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Nuclei (blue) were stained using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938), and Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300) was used for cytoskeletal F-actin (red) staining. Detection and localization of RAD17 pS656 (green) in the nucleus can be clearly observed in cells treated with etoposide (100 uM, 2 h) as compared to untreated cells. Antibody specificity was demonstrated by competition with the RAD17 pS656 peptide, which results in loss of signal. No competition was observed with the non-phospho peptide. The images were captured at 60X magnification.

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