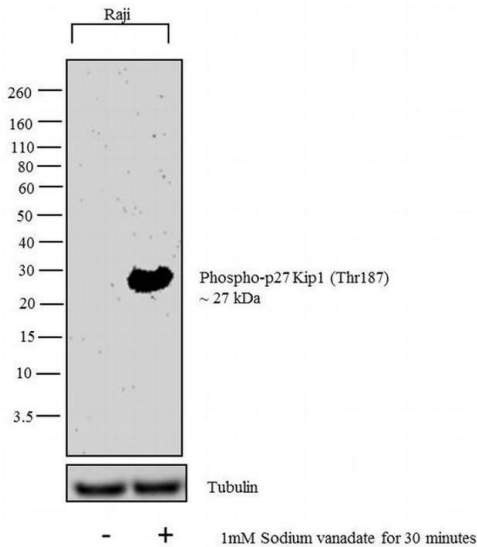


# Phospho-p27 Kip1 (Thr187) Monoclonal Antibody (2B10B7)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	2B10B7
Conjugate	Unconjugated
Immunogen	Synthetic peptide encompassing the phosphorylated Thr187 residue of human p27
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533350

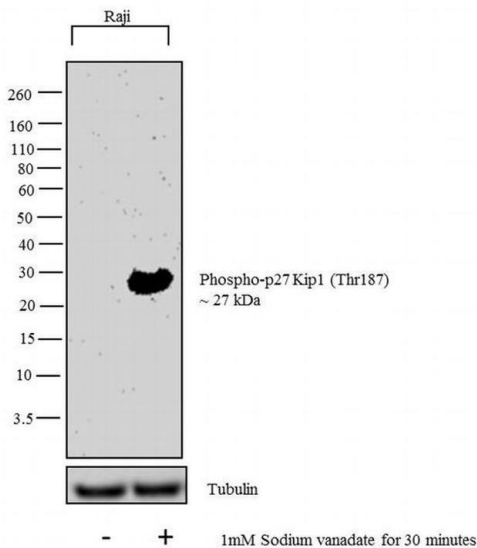
Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	4 Publications
Immunohistochemistry (IHC)	-	1 Publication
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	-	1 Publication

Product Images For Phospho-p27 Kip1 (Thr187) Monoclonal Antibody (2B10B7)



Phospho-p27 Kip1 (Thr187) Antibody (37-9700)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of Phospho-p27 Kip1 using Phospho-p27 Kip1 (Thr187) Mouse Monoclonal Antibody (2B10B7) (Product # 37-9700), shows induction of phosphorylation of p27Kip1 (Thr187) in Raji cell line upon sodium vanadate treatment. {TM}



Phospho-p27 Kip1 (Thr187) Antibody (37-9700) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Raji (Lane 1) and Raji treated with Sodium Vanadate (1mM Sodium vanadate for 30 minutes) (Lane 2). The blot was probed with Anti-Phospho-p27 Kip1 (Thr187) Mouse Monoclonal Antibody (Product # 37-9700, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.4 µg/mL, 1:2500 dilution). A 27 kDa band corresponding to Phospho-p27 Kip1 (Thr187) was observed in the cell line upon treatment. 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® 2 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).

Western Blot (4)

<p>Oncotarget</p> <p><b>Statin-induced depletion of geranylgeranyl pyrophosphate inhibits cell proliferation by a novel pathway of Skp2 degradation.</b></p> <p>"37-9700 was used in western blot to study the inhibition of cell proliferation by a novel pathway of Skp2 degradation due to statin-induced depletion of geranylgeranyl pyrophosphate"</p> <p>Authors: Vosper J,Masuccio A,Kullmann M,Ploner C,Geley S,Hengst L</p>	<p>Year</p> <p>2015</p>
<p>Cancer research</p> <p><b>PCTAIRE1 phosphorylates p27 and regulates mitosis in cancer cells.</b></p> <p>"37-9700 was used in western blot to identify the role of PCTAIRE1 in cancer cells"</p> <p>Authors: Yanagi T,Krajewska M,Matsuzawa S,Reed JC</p>	<p>Year</p> <p>2014</p> <p>Species</p> <p>Human</p>

[View more WB references on thermofisher.com](#)

Immunohistochemistry (1)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p><b>Rb/Cdk2/Cdk4 triple mutant mice elicit an alternative mechanism for regulation of the G1/S transition.</b></p> <p>Authors: Li W,Kotoshiba S,Berthet C,Hilton MB,Kaldis P</p>	<p>Year</p> <p>2009</p> <p>Species</p> <p>Mouse</p>
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Immunoprecipitation (1)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p><b>Rb/Cdk2/Cdk4 triple mutant mice elicit an alternative mechanism for regulation of the G1/S transition.</b></p> <p>Authors: Li W,Kotoshiba S,Berthet C,Hilton MB,Kaldis P</p>	<p>Year</p> <p>2009</p> <p>Species</p> <p>Mouse</p>
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