

p70 S6 Kinase Monoclonal Antibody (T.527.6)

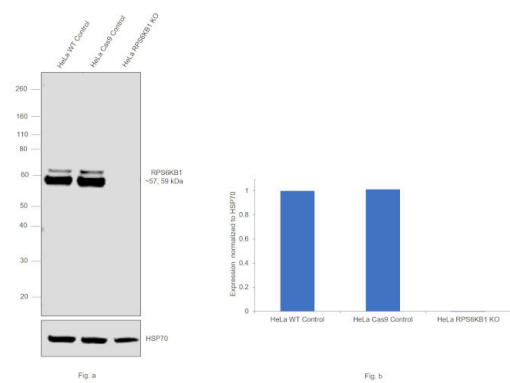
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	T.527.6
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding the amino-terminus of human p70 S6 kinase
Form	Liquid
Concentration	48 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 50% glycerol, 100µg/mL BSA
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10986216

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:1,000	-

Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For p70 S6 Kinase Monoclonal Antibody (T.527.6)

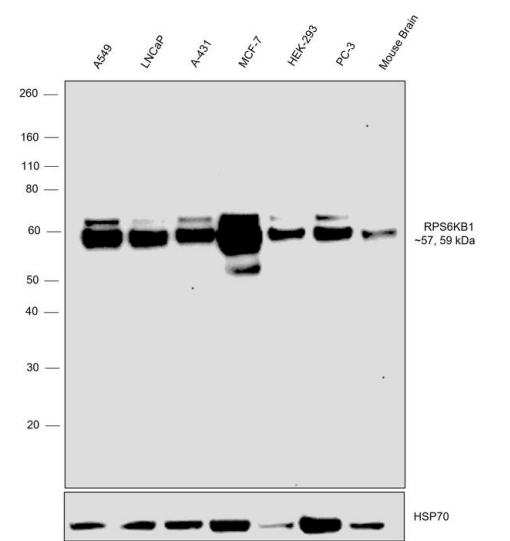


p70 S6 Kinase Antibody (MA5-15141)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in RPS6KB1 (KO) cell line compared to control cell line using Anti- p70 S6 Kinase Monoclonal Antibody (T.527.6) (Product # MA5-15141). {KO}

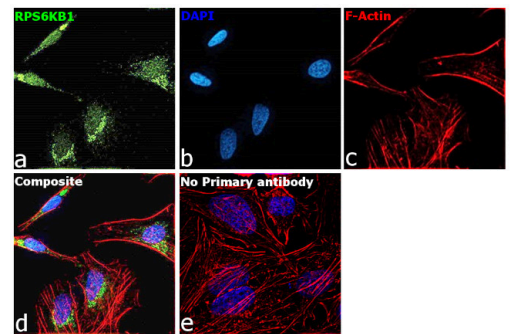
p70 S6 Kinase Antibody (MA5-15141) in WB

Western blot was performed using Anti-p70 S6 Kinase Monoclonal Antibody (T. 527.6) (Product # MA5-15141) and a 57, 59 kDa band corresponding to RPS6KB1 was observed across the panel tested. Whole cell extracts (30 µg lysate) of A549 (Lane 1), LNCaP (Lane 2), A-431 (Lane 3), MCF7 (Lane 4), HEK-293 (Lane 5), PC-3 (Lane 6), Mouse Brain (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



p70 S6 Kinase Antibody (MA5-15141) in ICC/IF

Immunofluorescence analysis of RPS6KB1 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 45 minutes at room temperature. The cells were labeled with p70 S6 Kinase Monoclonal Antibody (T.527.6) (Product # MA5-15141) at 1:200 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790, 1:3000 dilution), 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 cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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