

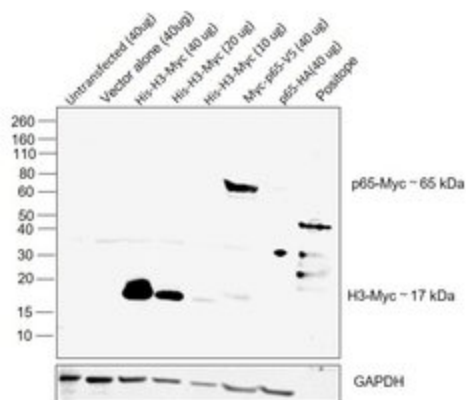
c-Myc Monoclonal Antibody (9E10)

Product Details	
Size	200 µg
Species Reactivity	Human, Mouse
Published Species	Yeast, Rat, Protozoa, Bacteria, Mycetozoan, Hamster, Plant, Mouse, Human, Xenopus, Dog, Artificial Control, C. elegans, Fruit fly
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	9E10
Conjugate	Unconjugated
Immunogen	A 32 amino acid synthetic peptide (aa 408-439) derived from the C-terminus of the human c-myc protein.
Form	Liquid
Concentration	0.5 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533008

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-2 µg/mL	62 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100	3 Publications
Immunocytochemistry (ICC/IF)	2-10 µg/mL	15 Publications
Flow Cytometry (Flow)	-	2 Publications
ELISA (ELISA)	0.1-1.0 µg/mL	3 Publications
Immunoprecipitation (IP)	2-5 µg	15 Publications
ChIP assay (ChIP)	-	4 Publications
Gel Shift (GS)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	3 Publications

c-Myc Antibody (13-2500)

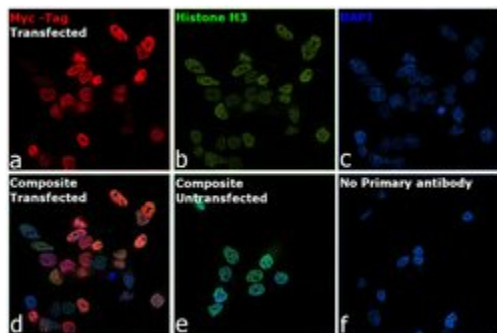
Antibody specificity was demonstrated by detection of different targets fused to Myc tag in transiently transfected lysates tested. Relative detection of Myc tag was observed across different proteins fused with Myc tag in His-H3-Myc (Lane 3-5) and Myc-p65-V5 (Lane 6), using Anti-Myc Tag Polyclonal Antibody (Product # 13-2500) in Western Blot. This product has been shown to detect Myc Tag at both N- and C-termini of a fusion protein. Relative expression validation info.



Product Images For c-Myc Monoclonal Antibody (9E10)

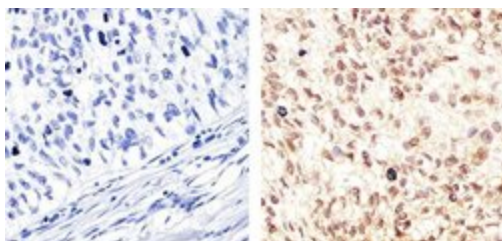
c-Myc Antibody (13-2500) in ICC/IF

Immunofluorescent analysis of Myc tag was performed using 70% confluent His-H3-Myc transfected HEK-293 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 Myc Tag Monoclonal Antibody (Product # 13-2500) at 2 µg/mL and Histone H3 antibody (Product # 711055) at 1:200 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight, and then labeled with Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 647 (Product # A32728) and Goat anti-Rabbit IgG Alexa Fluor Plus 488 (Product # A32731) respectively at a dilution of 1:2000 for 45 minutes at room temperature. Panel a (Nuclei: Red) represents the Myc tag. Panel b (Nuclei: Green) represents Histone 3. Panel c (Nuclei: Blue) represents ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Panel d represents the merged image showing the co-localization of nuclear signals in transfected cells. Panel e represents un-transfected HEK-293 cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



c-Myc Antibody (13-2500) in IHC (P)

Immunohistochemistry analysis of c-Myc showing staining in the nucleus of paraffin-embedded human lung squamous carcinoma (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a Anti- c-Myc Monoclonal Antibody (9E10) (Product # 13-2500) diluted in 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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Western Blot (62)

Autophagy

Secretory autophagy machinery and vesicular trafficking are involved in HMGB1 secretion.

"13-2500 was used in Western Blotting to show secretory autophagy and multivesicular body formation mediate HMGB1 secretion."

Authors: Kim YH,Kwak MS, Lee B, Shin JM, Aum S, Park IH, Lee MG, Shin JS

Species
Mouse

Dilution
Not Cited

Year
2021

Frontiers in cell and developmental biology

TMEM132A, a Novel Wnt Signaling Pathway Regulator Through Wntless (WLS) Interaction.

"13-2500 was used in Western Blotting to show that TMEM132A stabilizes Wnt ligand, enhances WLS-Wnt ligand interaction, and activates the Wnt signaling pathway."

Authors: Li B, Niswander LA

Species
Human

Dilution
Not Cited

Year
2021

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

Immunohistochemistry (2)

Developmental biology

C8orf46 homolog encodes a novel protein Vexin that is required for neurogenesis in Xenopus laevis.

"13-2500 was used in Immunohistochemistry-immunofluorescence to characterise vexin, a neural basic helix-loop helix target gene in Xenopus laevis that is homologous to human c8orf46 and is conserved across vertebrate species."

Authors: Moore KB, Logan MA, Aldiri I, Roberts JM, Steele M, Vetter ML

Species
Xenopus

Dilution
1:500

Year
2018

Proceedings of the National Academy of Sciences of the United States of America

Function and regulation of Tumbleweed (RacGAP50C) in neuroblast proliferation and neuronal morphogenesis.

"13-2500 was used in immunohistochemistry to report that Tumbleweed, Pavarotti, and their association are required for neuroblast proliferation in Drosophila"

Authors: Goldstein AY, Jan YN, Luo L

Species
Not Applicable

Dilution
1:50

Year
2005

More applications with references on thermofisher.com

- IHC (P) (3)
- ICC/IF (15)
- Flow (2)
- ELISA (3)
- IP (15)
- ChIP (4)
- Misc (3)

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