

p300 Monoclonal Antibody (RW105)

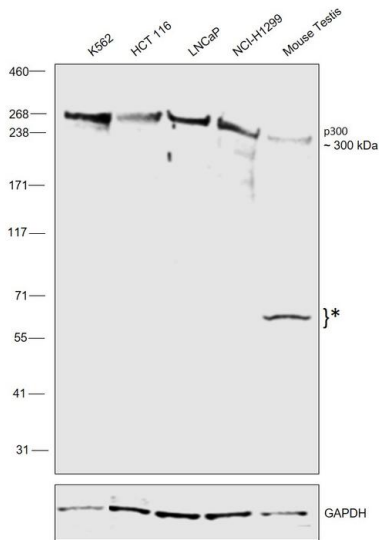
Product Details	
Size	100 µL
Species Reactivity	Human, Mustelid, Mouse, Non-human primate, Rat
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	RW105
Conjugate	Unconjugated
Immunogen	Fusion protein containing residues 1572-2371 of human KAT3B/p300.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_568668

Applications	Tested Dilution	Publications
Western Blot (WB)	1:250-1:1,000	1 Publication
Immunocytochemistry (ICC/IF)	1:50-1:200	1 Publication
Flow Cytometry (Flow)	1 µg/mL	-
Immunoprecipitation (IP)	1:10-1:500	-
ChIP assay (ChIP)	Assay-Dependent	1 Publication
Immunomicroscopy (IM)	Assay-Dependent	-
In vitro Assay (IV)	Assay-Dependent	-

Product Specific Information

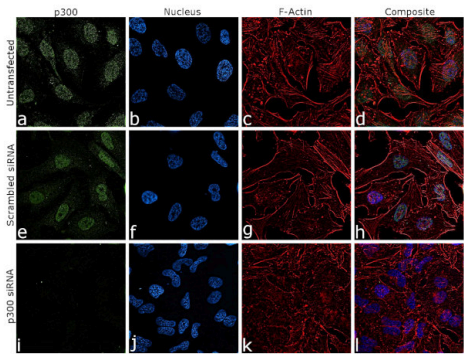
Suggested positive control: HeLa nuclear extract.

Product Images For p300 Monoclonal Antibody (RW105)



p300 Antibody (MA1-16622) in WB

Western blot was performed using Anti-p300 Monoclonal Antibody (RW105) (Product # MA1-16622) and a 300 kDa band corresponding to p300 was observed across cell lines and tissue tested. Nuclear enriched extracts (40 µg lysate) of K-562 (Lane 1), HCT 116 (Lane 2), LNCaP (Lane 3), H1299 (Lane 4) and Mouse Testis (Lane 5) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001) and then equilibrated with 20% ethanol. The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:20000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



p300 Antibody (MA1-16622)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with p300 siRNA and decrease in signal intensity was observed in ICC application using Anti-p300 Monoclonal Antibody (RW105) (Product # MA1-16622). {KD}

p300 Antibody (MA1-16622) in ICC/IF

Immunofluorescence analysis of p300 Monoclonal Antibody (RW105) 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 p300 Monoclonal Antibody (RW105) (Product # MA1-16622) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 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 dilution). Panel d represents the merged image showing nuclear as well as 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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Western Blot (1)

The Journal of biological chemistry

Reactive oxygen species, AMP-activated protein kinase, and the transcription cofactor p300 regulate -tubulin acetyltransferase-1 (TAT-1 /MEC-17)-dependent microtubule hyperacetylation during cell stress.

"Published figure using p300 monoclonal antibody (Product # MA1-16622) in Immunocytochemistry"

Authors: Mackeh R,Lorin S,Ratier A,Mejdoubi-Charef N,Baillet A,Bruneel A,Hamaï A,Codogno P,Poüs C,Perdiz D

Year
2014

Species
Human

Immunocytochemistry (1)

The Journal of biological chemistry

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Year
2014

Species
Human

ChIP assay (1)

Molecular immunology

Tumor necrosis factor-alpha inhibitors suppress CCL2 chemokine in monocytes via epigenetic modification.

"MA1-16622 was used in ChIP assay to assess the effect of TNF-alpha inhibitors on monocyte chemoattractant protein-1"

Authors: Lin YC,Lin YC,Huang MY,Kuo PL,Wu CC,Lee MS,Hsieh CC,Kuo HF,Kuo CH,Tsai WC,Hung CH

Year
2017

Species
Human

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