

HDAC6 Monoclonal Antibody (OTI4C5)

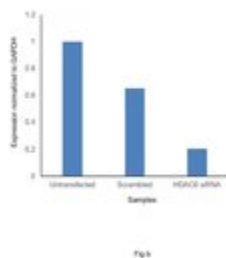
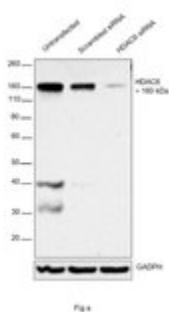
Product Details	
Size	100 µL
Species Reactivity	Dog, Human, Non-human primate, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	OTI4C5
Conjugate	Unconjugated
Immunogen	Full length human recombinant protein of HDAC6 produced in HEK293T cell
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 1% BSA, 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2723235

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:150	-
Immunocytochemistry (ICC/IF)	1:100	-
Flow Cytometry (Flow)	1:100	-
ChIP assay (ChIP)	2.5 µg/10 ⁶ cells	-

Advanced Verification Data

HDAC6 Antibody (MA5-25317)

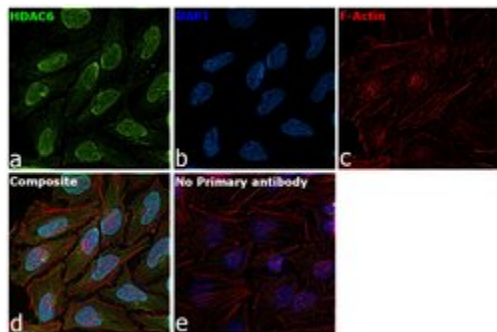
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A549 cells were transfected with HDAC6 siRNA and decrease in signal intensity was observed in western blot application using Anti-HDAC6 Monoclonal Antibody (OTI4C5) (Product # MA5-25317). Knockdown validation info.



Product Images For HDAC6 Monoclonal Antibody (OTI4C5)

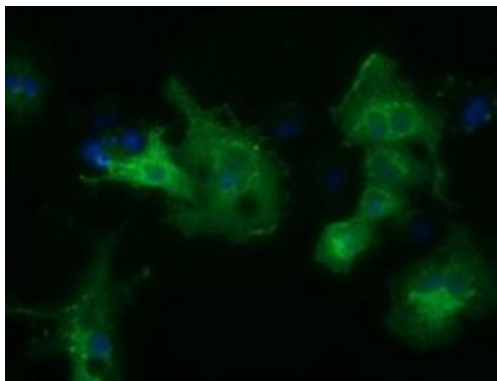
HDAC6 Antibody (MA5-25317) in ICC/IF

Immunofluorescence analysis of HDAC6 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 1 hour at room temperature. The cells were labeled with HDAC6 Mouse Monoclonal Antibody (Product # MA5-23517) at 1:100 dilution in 0.1% BSA and incubated overnight at 4 degree and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 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 composite image showing nuclear and cytoplasmic localization of HDAC6. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



HDAC6 Antibody (MA5-25317) in ICC/IF

Immunofluorescent analysis of HDAC6 in COS7 cells. Cells were transfected with a plasmid overexpressing HDAC6 and probed with a HDAC6 monoclonal antibody (Product # MA5-25317).



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