

MSH2 Monoclonal Antibody (1B3=3A2B8C)

Product Details	
Size	100 µL
Species Reactivity	Human, Non-human primate
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1B3=3A2B8C
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human MSH2 expressed in E. Coli.
Form	Liquid
Storage buffer	ascites
Contains	0.03% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10983927

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	1:100	
Immunofluorescence (IF)	✓	1:100	
Immunohistochemistry (IHC)	✓	1/200 - 1/1000	
Western Blot (WB)	✓	1:500 - 1:2000	

Product Specific Information

MA5-15740 targets MSH2 in IF, IHC, and WB applications and shows reactivity with Human and Non-human primate samples.

The MA5-15740 immunogen is purified recombinant fragment of human MSH2 expressed in E. Coli.

MA5-15740 detects MSH2 which has a predicted molecular weight of approximately 105kDa.

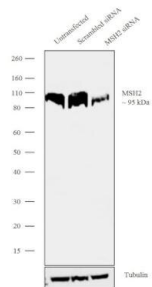


Fig. a

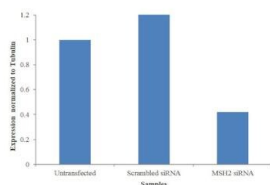


Fig. b

MSH2 Antibody (MA5-15740)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with MSH2 siRNA and reduction in signal was observed in Western Blot using MSH2 Monoclonal Antibody (1B3=3A2B8C) (Product # MA5-15740). KnockDown validation info.

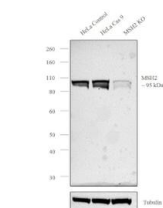


Fig. a

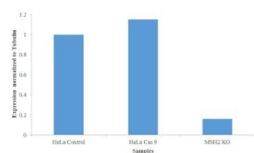
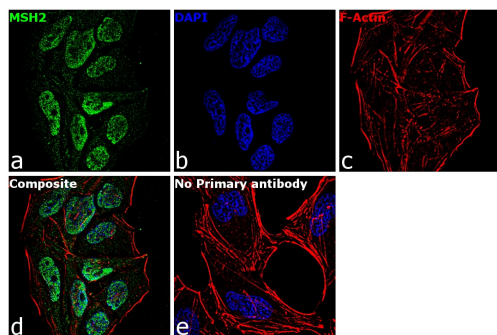


Fig. b

MSH2 Antibody (MA5-15740)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in MSH2 knockout (KO) cell line using anti-MSH2 Monoclonal Antibody (1B3=3A2B8C) (Product # MA5-15740). KnockOut validation info.

Product Images For MSH2 Monoclonal Antibody (1B3=3A2B8C)



MSH2 Antibody (MA5-15740) in IF

Immunofluorescence analysis of MSH2 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 1% BSA for 1 hour at room temperature. The cells were labeled with MSH2 Mouse Monoclonal Antibody (Product # MA5-15740) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ 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 SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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