

MSH2 Monoclonal Antibody (1B3=3A2B8C)

Product Details

Size	100 µL
Species Reactivity	Human, Non-human primate
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1B3=3A2B8C
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human MSH2 expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
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	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:200-1:1,000	1 Publication
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	1:10,000	-

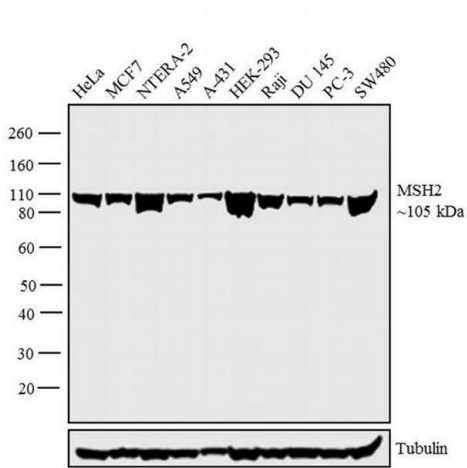
Product Specific Information

MA5-15740 targets MSH2 in indirect ELISA, 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.

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

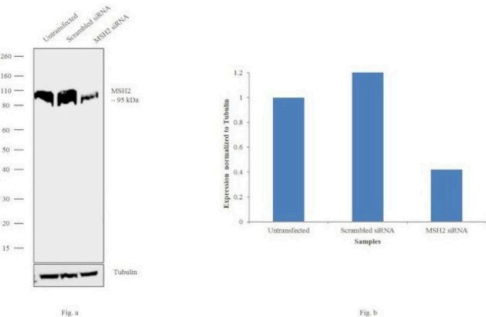


MSH2 Antibody (MA5-15740) in WB

Western blot analysis was performed on nuclear enriched extracts (30 µg lysate) of HeLa (Lane 1), MCF7 (Lane 2), NTERA-2 (Lane 3), A549 (Lane 4), A-431 (Lane 5), HEK-293 (Lane 6), Raji (Lane 7), DU 145 (Lane 8), PC-3 (Lane 9) and SW480 (Lane 10). The blot was probed with Anti-MSH2 Monoclonal Antibody (Product # MA5-15740, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 105 kDa band corresponding to MSH2 was observed across the cell lines tested.

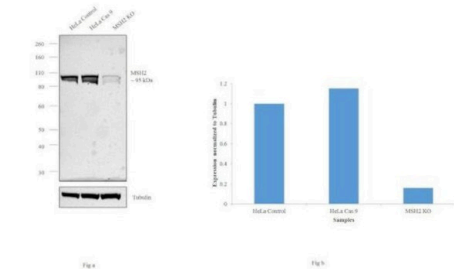
MSH2 Antibody (MA5-15740)

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). {KD}



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). {KO}



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Immunohistochemistry (1)

Nature communications	Year 2021
Focal amplifications are associated with chromothripsis events and diverse prognoses in gastric cardia adenocarcinoma.	Species Human
"MA5-15740 was used in Immunohistochemistry to identify frequent focal amplifications and ecDNAs in Chinese GCA patient samples, and find focal amplifications in the GCA cohort are associated with the chromothripsis process and may be induced by accumulated DNA damage due to local dietary habits."	Dilution 1:500
Authors: Zhao XK,Xing P,Song X,Zhao M,Zhao L,Dang Y,Lei LL,Xu RH,Han WL,Wang PP,Yang MM,Hu JF,Zhong K,Zhou FY,Han XN,Meng CL, Ji JJ,Chen X,Wang LD	

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