

ERK3 Monoclonal Antibody (5E1)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG
Class	Monoclonal
Type	Antibody
Clone	5E1
Conjugate	Unconjugated
Immunogen	Recombinant protein expressed in E.coli corresponding to amino acids 345-721 of human ERK3
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2536749

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

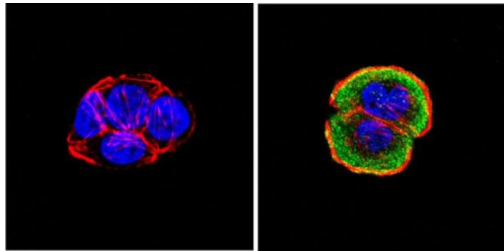
Product Specific Information

MA1-101 has been successfully used in Western blot, immunohistochemistry and immunfluorescence applications on human and mouse samples.

Product Images For ERK3 Monoclonal Antibody (5E1)

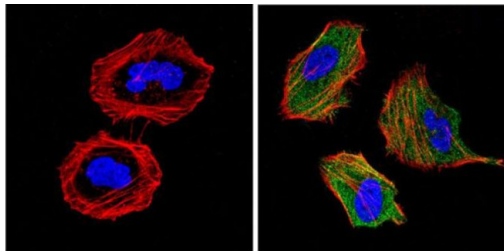
ERK3 Antibody (MA1-101) in ICC/IF

Immunofluorescent analysis of ERK3 (green) showing positive staining in the cytoplasm and nucleus of HT-29 cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with an ERK3 monoclonal antibody (Product # MA1-101) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 488-conjugated goat-anti-mouse IgG (H+L) secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.



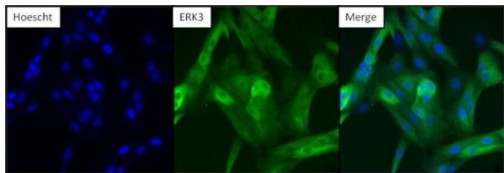
ERK3 Antibody (MA1-101) in ICC/IF

Immunofluorescent analysis of ERK3 (green) showing positive staining in the cytoplasm of Hela cells (right) compared with a negative control in the absence of primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature and probed with an ERK3 monoclonal antibody (Product # MA1-101) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 488-conjugated goat-anti-mouse IgG (H+L) secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with DAPI for 5-10 minutes in the dark. Images were taken at a magnification of 60x.



ERK3 Antibody (MA1-101) in ICC/IF

Immunofluorescent analysis of ERK3 (green) in HT-29 cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were then blocked with 5% normal goat serum (Product # 31873) for 15 minutes at room temperature. Cells were then probed with a mouse monoclonal antibody recognizing ERK3 (Product # MA1-101), at a dilution of 1:100 for at least 1 hour at room temperature. Cells were then washed with PBS and incubated with DyLight 488 goat-anti-mouse secondary antibody at a dilution of 1:200 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 10X magnification.



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