

# eIF2b gamma Monoclonal Antibody (1H3)

Product Details	
Size	100 µg
Species Reactivity	Human, Non-human primate, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1H3
Conjugate	Unconjugated
Immunogen	Full length human eIF2B3 produced in HEK293T cells.
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_2536735

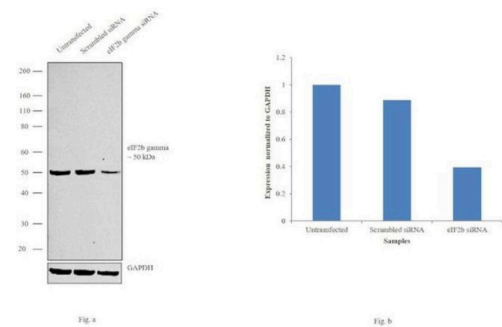
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:200	-
Immunocytochemistry (ICC/IF)	1:10-1:100	-
Immunoprecipitation (IP)	3 µg	-
RNA Immunoprecipitation (RIP)	Assay-dependent	-

## Product Specific Information

MA1-078 detects eIF2B3 in human, non-human primate and rat samples and has been successfully used in Western blot, ICC /IF, IHC (P) and immunoprecipitation applications.

The immunogen for MA1-078 is full length human eIF2B3 produced in HEK293T cells.

Product Images For eIF2b gamma Monoclonal Antibody (1H3)

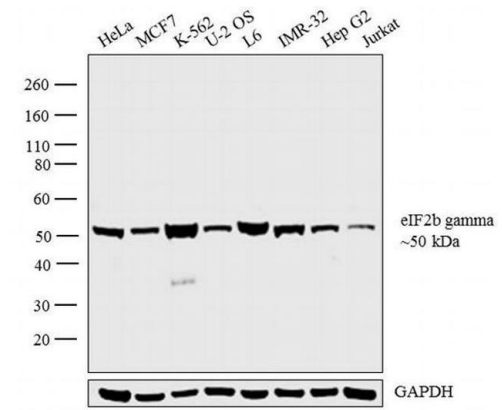


eIF2b gamma Antibody (MA1-078)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with eIF2b siRNA and reduction of signal was observed in Western Blot using eIF2b gamma Monoclonal Antibody (Product # MA1-078). {KD}

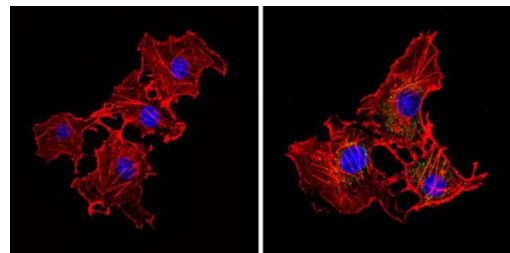
eIF2b gamma Antibody (MA1-078) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), MCF7 (Lane 2), K-562 (Lane 3), U-2 OS (Lane 4), L6 (Lane 5), IMR-32 (Lane 6), Hep G2 (Lane 7), and Jurkat (Lane 8). The blot was probed with Anti-eIF2b gamma Monoclonal Antibody (1H3) (Product # MA1-078, 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 50 kDa band corresponding to eIF2b gamma was observed across the cell lines tested.



eIF2b gamma Antibody (MA1-078) in ICC/IF

Immunofluorescent analysis of eIF2B3 (green) showing staining in the cytoplasm of COS7 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with an eIF2B3 monoclonal antibody (Product # MA1-078) in 3% BSA-PBS at a dilution of 1:50 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated 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 Hoechst or DAPI. Images were taken at a magnification of 60x.



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