

Huntingtin Monoclonal Antibody (1HU-4C8)

Product Details	
Size	50 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	1HU-4C8
Conjugate	Unconjugated
Immunogen	Huntingtin fragment from aa 181 to 810
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2608783

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunocytochemistry (ICC/IF)	1:200	-

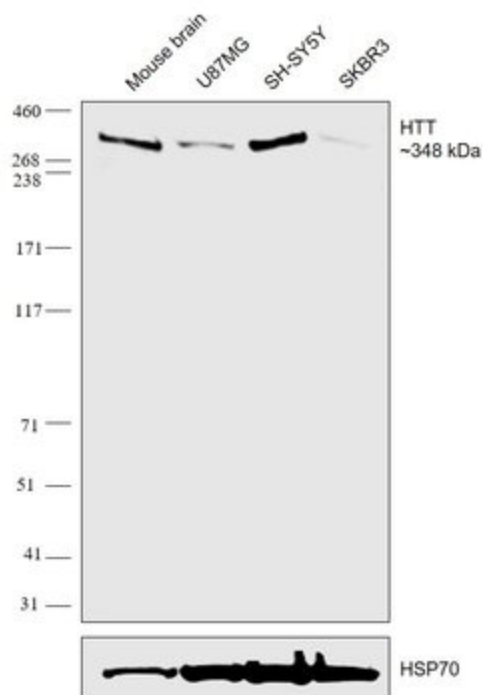
Product Specific Information

MA3-040 has been used successfully in Western blotting to detect huntingtin in the brains lysates from mouse and rat.

Advanced Verification Data

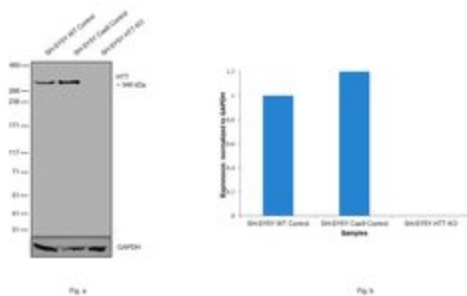
Huntingtin Antibody (MA3-040)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissue tested owing to their inherent genetic constitution. Relative expression of Huntingtin was observed in Mouse Brain, U-87 MG and SHSY-5Y as high expressing and SK-BR-3 as low expressing model, using Anti-Huntingtin Monoclonal Antibody (1HU-4C8) (Product # MA3-040) in Western Blot. Relative expression validation info.



Huntingtin Antibody (MA3-040)

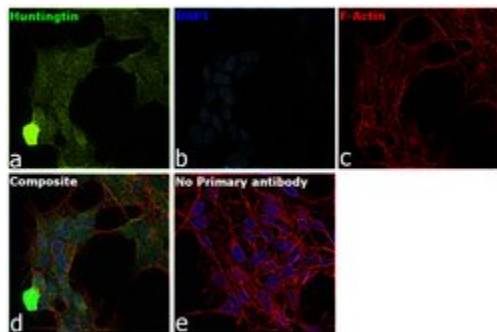
Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in HTT KO cell line compared to control cell line using Anti-Huntingtin Monoclonal Antibody (1HU-4C8) (Product # MA3-040). Knockout validation info.



Product Images For Huntingtin Monoclonal Antibody (1HU-4C8)

Huntingtin Antibody (MA3-040) in ICC/IF

Immunofluorescence analysis of Huntingtin was performed using 70% confluent log phase SH-SY5Y 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 45 minutes at room temperature. The cells were labeled with Huntingtin Monoclonal Antibody (1HU-4C8) (Product # MA3-040) at 1:200 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 dilution), 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 dilution). Panel d represents the merged image showing Cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X with Oil immersion magnification.



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