

Huntingtin Recombinant Rabbit Monoclonal Antibody (JB89-34)

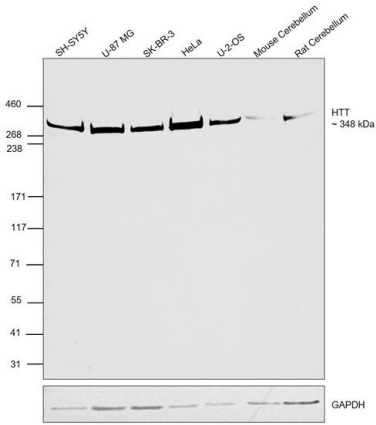
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JB89-34
Conjugate	Unconjugated
Immunogen	Synthetic peptide within N-terminal Human Huntingtin
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2899009

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:100	-
Flow Cytometry (Flow)	1:50-1:100	-

Product Images For Huntingtin Recombinant Rabbit Monoclonal Antibody (JB89-34)

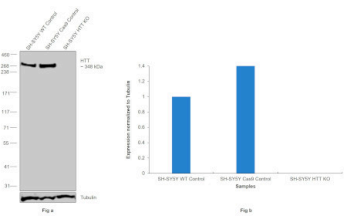
Huntingtin Antibody (MA5-41256) in WB

Western blot was performed using Anti-Huntingtin Recombinant Rabbit Monoclonal Antibody (JB89-34) (Product # MA5-41256) and a 348 kDa band corresponding to Htt was observed across cell lines and tissue. Whole cell extracts (30 µg lysate) of SH-SY5Y (Lane 1), U-87 MG (Lane 2), SK-BR-3 (Lane 3), HeLa (Lane 4), U-2 OS (Lane 5), Mouse Cerebellum (Lane 6), Rat Cerebellum (Lane 7) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20000) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



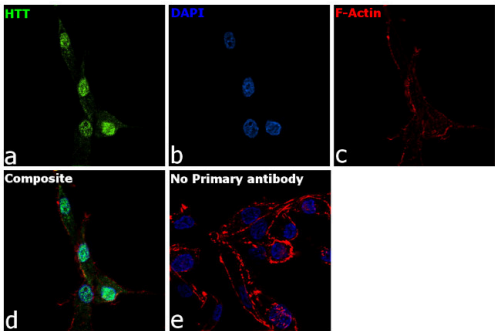
Huntingtin Antibody (MA5-41256)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein inHTT KO cell line compared to control cell line using Huntingtin Recombinant Rabbit Monoclonal Antibody (JB89-34) (Product # MA5-41256). {KO}



Huntingtin Antibody (MA5-41256) in ICC/IF

Immunofluorescence analysis of Htt was performed using 70% confluent log phase U-87 MG 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 1 hour at room temperature. The cells were labeled with Huntingtin Recombinant Rabbit Monoclonal Antibody (JB89-34) (Product # MA5-41256) at 1:100 in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790) at 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). Panel d represents the merged image showing nuclear and cytosolic 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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