

# Huntingtin Monoclonal Antibody (HDC8A4)

## Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rabbit
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	HDC8A4
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 2703-2911 of huntingtin.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	4°C or -20°C if preferred
RRID	AB_2280122

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

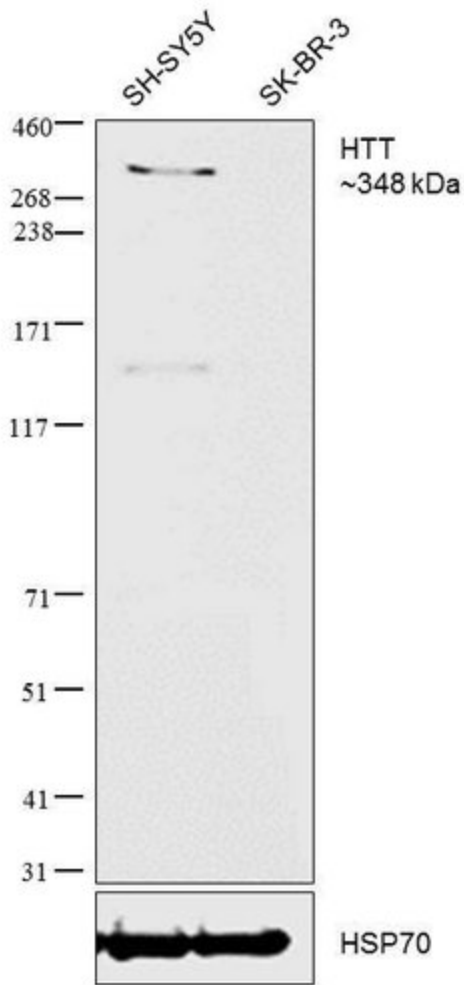
Increased cytoplasmic staining, relative to nuclear, has been reported using formaldehyde as a fixative compared with acetone/methanol.

Mouse anti Huntingtin antibody, clone HDC8A4 reacts with an epitope corresponding to the HDC region (2703 - 2911 amino acids) of the huntingtin protein.

## Advanced Verification Data

### Huntingtin Antibody (MA1-82100)

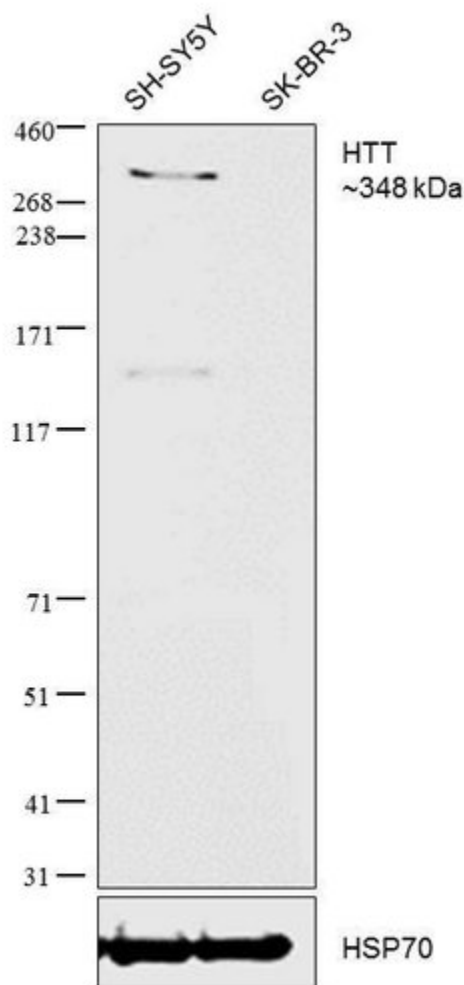
Antibody specificity was demonstrated by detection of differential basal expression of the target across cells lines tested owing to their inherent genetic constitution. Relative expression of Huntingtin was observed in SH-SY5Y as compared to SK-BR-3 which is reported to be negative for Huntingtin expression using Huntingtin Polyclonal Antibody (Product # MA1-82100) in western blot analysis. Relative expression validation info.



## Product Images For Huntingtin Monoclonal Antibody (HDC8A4)

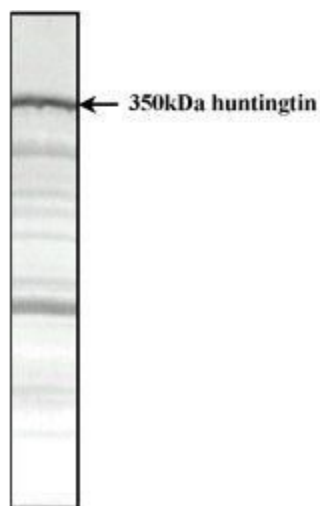
### Huntingtin Antibody (MA1-82100) in WB

Western blot was performed using Anti-Huntingtin Monoclonal Antibody (Product # MA1-82100) and a 348 kDa band corresponding to Huntingtin was observed in SH-SY5Y as compared to SK-BR-3 which is reported to be negative for Huntingtin expression. Whole cell extracts (1%SDS) (30 µg lysate) of SH-SY5Y (Lane 1), and SK-BR-3 (Lane 2) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0375BOX). 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-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005)..



### Huntingtin Antibody (MA1-82100) in WB

Western blot analysis of total protein extract of normal human cerebral cortex separated as a strip on a 3-12.5% gradient SDS-PAGE gel and was probed with a Huntingtin monoclonal antibody (Product # MA1-82100).



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