

Huntingtin Polyclonal Antibody

| Product Details | |
|--------------------|--|
| Size | 100 µL |
| Species Reactivity | Human, Rat |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Huntingtin. |
| Form | Liquid |
| Concentration | 1.4 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS, pH 7, with 20% glycerol |
| Contains | 0.025% ProClin 300 |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2792860 |

| Applications | Tested Dilution | Publications |
|---|-----------------|--------------|
| Western Blot (WB) | 1:500-1:3,000 | - |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1,000 | - |
| Immunocytochemistry (ICC/IF) | 1:100-1:1,000 | - |

Product Specific Information

Keep as concentrated solution.

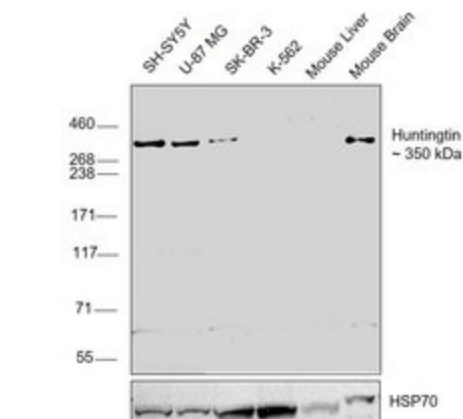
Predicted reactivity: Mouse (100%), Rat (100%), Pig (100%), Sheep (100%).

Positive Control: U87-MG.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

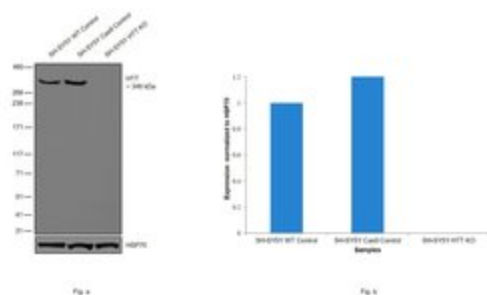
Huntingtin Antibody (PA5-85721)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of Huntingtin was observed in SH-SY5Y, U-87 MG in comparison to SK-BR-3, K-562 and in Mouse Liver in comparison to Mouse Liver using Anti-Huntingtin Polyclonal Antibody (Product # PA5-85721) in Western Blot. Relative expression validation info.

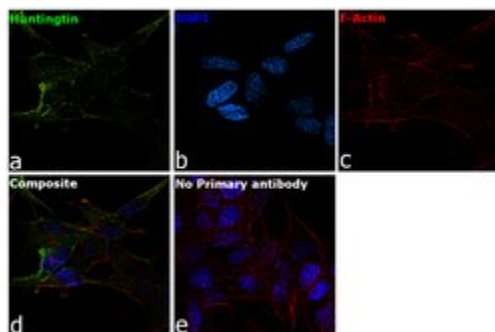


Huntingtin Antibody (PA5-85721)

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 wildtype control cell line using HTT Polyclonal Antibody (Product # PA5-85721). Knockout validation info.



Product Images For Huntingtin Polyclonal Antibody



Huntingtin Antibody (PA5-85721) 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 Polyclonal Antibody (Product # PA5-85721) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034), (1:2000), 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 Cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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