



Huntingtin (2845-3144): sc-4516 WB

BACKGROUND

Huntingtin is a 350 kDa protein that contains a polyglutamine region. When the number of glutamine repeats exceeds 35, the gene encodes a version of huntingtin that leads to Huntington's disease (HD). When the polyGln stretch is mutated, huntingtin acts within the nucleus to induce neurodegeneration by a cell-specific apoptotic mechanism. Loss of huntingtin activity is unlikely to be the cause of HD, and it has been proposed that the expanded glutamine repeat region may induce an abnormal interaction between the mutant protein and other cellular proteins. Huntingtin interacts with multiple proteins including HAP1, glyceraldehyde phosphate dehydrogenase (GAPDH), and HIP1.

REFERENCES

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SOURCE

Huntingtin (2845-3144) is expressed in *E. coli* as a 60 kDa tagged fusion protein corresponding to amino acids 2845-3144 of Huntingtin of human origin.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

PRODUCT

Huntingtin (2845-3144) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

Huntingtin (2845-3144) is suitable as a Western blotting control for sc-8768 and sc-15352.

RESEARCH USE

For research use only, not for use in diagnostic procedures.