

HTT Rabbit Polyclonal Antibody



CAB7900

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

Calculated MW:

347kDa

Applications:

IHC

Reactivity:

Rat

Protein Background

Huntingtin is a disease gene linked to Huntington's disease, a neurodegenerative disorder characterized by loss of striatal neurons. This is thought to be caused by an expanded, unstable trinucleotide repeat in the huntingtin gene, which translates as a polyglutamine repeat in the protein product. A fairly broad range in the number of trinucleotide repeats has been identified in normal controls, and repeat numbers in excess of 40 have been described as pathological. The huntingtin locus is large, spanning 180 kb and consisting of 67 exons. The huntingtin gene is widely expressed and is required for normal development. It is expressed as 2 alternatively polyadenylated forms displaying different relative abundance in various fetal and adult tissues. The larger transcript is approximately 13.7 kb and is expressed predominantly in adult and fetal brain whereas the smaller transcript of approximately 10.3 kb is more widely expressed. The genetic defect leading to Huntington's disease may not necessarily eliminate transcription, but may confer a new property on the mRNA or alter the function of the protein. One candidate is the huntingtin-associated protein-1, highly expressed in brain, which has increased affinity for huntingtin protein with expanded polyglutamine repeats. This gene contains an upstream open reading frame in the 5' UTR that inhibits expression of the huntingtin gene product through translational repression.

Immunogen information

Gene ID:

3064

Uniprot

P42858

Synonyms:

HD; IT15; HTT; Huntingtin

Immunogen:

A synthetic peptide of human HTT

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Antibody Information

Recommended dilutions:

IHC 1:50 - 1:200

Source:

Rabbit

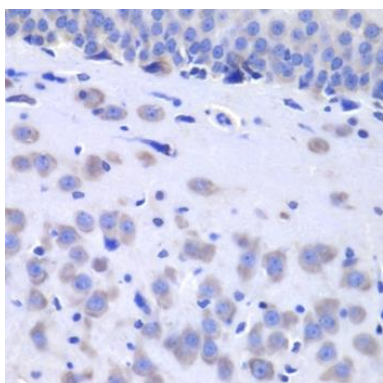
Isotype:

IgG

Purification:

Affinity purification

Product Images



Immunohistochemistry of paraffin-embedded rat brain using HTT antibody (CAB7900) at dilution of 1:100 (40x lens).