



Datasheet for ABIN7263935 anti-Huntingtin antibody



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1 Image

Overview

Quantity:	200 µL
Target:	Huntingtin (HTT)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Huntingtin antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide of human HTT
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Huntingtin (HTT)
Alternative Name:	HTT (HTT Products)
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

Target Details

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.

Gene ID: 3064

UniProt: [P42858](#)

Pathways: [PI3K-Akt Signaling](#), [Hormone Transport](#), [Transition Metal Ion Homeostasis](#), [Tube Formation](#), [Protein targeting to Nucleus](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

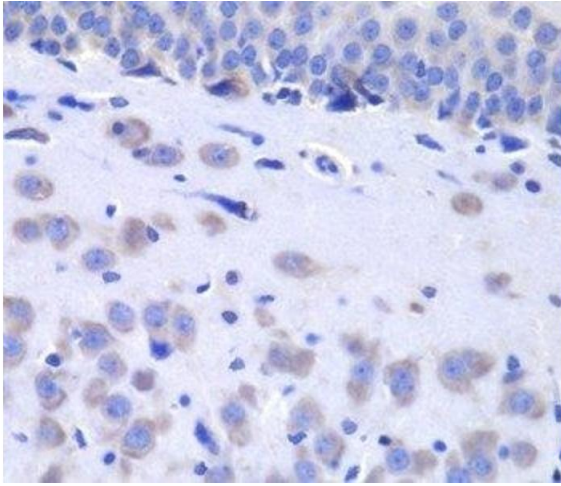
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Rat brain using HTT Polyclonal Antibody at dilution of 1:100 (40x lens).