

Datasheet for ABIN7464967  
**anti-Huntingtin antibody (N-Term)**



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## Overview

|                      |                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                 |
| Target:              | Huntingtin (HTT)                                                                                                                       |
| Binding Specificity: | N-Term                                                                                                                                 |
| Reactivity:          | Human                                                                                                                                  |
| Host:                | Rabbit                                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                                             |
| Conjugate:           | This Huntingtin antibody is un-conjugated                                                                                              |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

## Product Details

|                   |                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Huntingtin. The exact sequence is proprietary. |
| Isotype:          | IgG                                                                                                                                                       |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                                                                         |
| Purification:     | Purified by antigen-affinity chromatography.                                                                                                              |
| Grade:            | KO Validated                                                                                                                                              |

## Target Details

|         |                  |
|---------|------------------|
| Target: | Huntingtin (HTT) |
|---------|------------------|

## Target Details

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| Alternative Name: | huntingtin ( <a href="#">HTT Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Background:       | <p>Huntingtin , HD , IT15 , LOMARS,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. [provided by RefSeq]</p> |
| Molecular Weight: | 348 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene ID:          | 3064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt:          | <a href="#">P42858</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Pathways:         | <a href="#">PI3K-Akt Signaling</a> , <a href="#">Hormone Transport</a> , <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Tube Formation</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Dicarboxylic Acid Transport</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Application Details

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: U87-MG , SK-N-SH , IMR32 , SK-N-AS<br>Validation: KO/KD                                                                                               |
| Restrictions:      | For Research Use only                                                                                                                                                   |

## Handling

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                                                     |
| Concentration:     | 1.4 mg/mL                                                                                                                                                                                                                  |
| Buffer:            | 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300                                                                                                                                                                          |
| Preservative:      | ProClin                                                                                                                                                                                                                    |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                          |
| Storage:           | 4 °C,-20 °C                                                                                                                                                                                                                |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |