

## Rabbit anti-Human, Rat HTT Polyclonal Antibody | anti-HTT antibody

HTT Polyclonal Antibody

|                               |                       |                                 |                                                    |
|-------------------------------|-----------------------|---------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA176058</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry</b> |
|-------------------------------|-----------------------|---------------------------------|----------------------------------------------------|

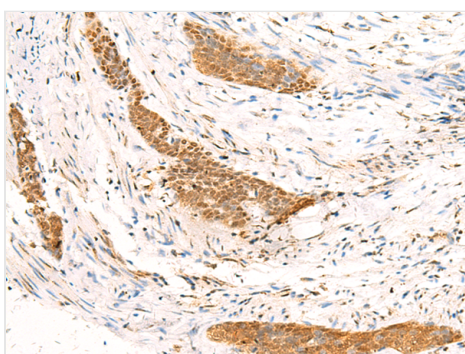
### PRODUCT SYNONYMS

HTT; Polyclonal Antibody; HTT Polyclonal Antibody; AI256365; C430023I11Rik; HD; HD protein; HDH; Huntingtin; HUNTINGTON CHOREA; Huntington disease protein; Huntington's disease protein homolog; IT 15; IT15; OTTMUSP00000026909; ZHD; anti-HTT antibody

### PRODUCT SPECIFICATIONS

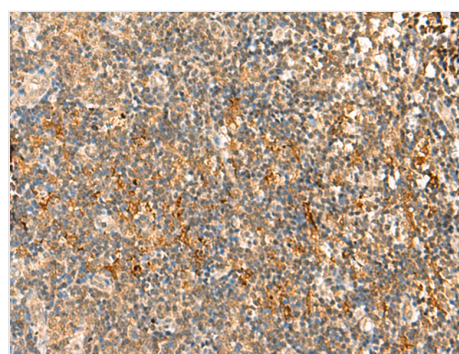
|                                               |                                                         |
|-----------------------------------------------|---------------------------------------------------------|
| Host                                          | Rabbit                                                  |
| Reactivity                                    | Human, Rat                                              |
| Clonality                                     | Polyclonal                                              |
| Isotype                                       | IgG                                                     |
| Purity/Purification                           | Antigen Affinity Purification                           |
| Form/Format                                   | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol, pH7.4 |
| Concentration                                 | 0.84mg/mL (varies by lot)                               |
| Sequence Length                               | 3144                                                    |
| Applicable Applications for anti-HTT antibody | ELISA, IHC (Immunohistochemistry)                       |
| Immunogen                                     | Synthetic peptide of human HTT                          |
| Conjugation                                   | Unconjugated                                            |
| Preparation and Storage                       | Store at -20 degree C. Avoid freeze/thaw cycles.        |

### IMAGES



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using HTT Polyclonal Antibody at dilution of 1:30(×200



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human tonsil tissue using HTT Polyclonal Antibody at dilution of 1:30(×200

## ADDITIONAL INFORMATION

### Related Product Information for anti-HTT antibody

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 of trinucleotide repeats (9-35) 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.

## NCBI AND UNIPROT INFORMATION

|                                  |                      |
|----------------------------------|----------------------|
| NCBI GI #                        | 90903231             |
| NCBI GeneID                      | 3064                 |
| NCBI Accession #                 | NP_002102.4          |
| NCBI GenBank Nucleotide #        | NP_002102.4          |
| UniProt Accession #              | P42858               |
| NCBI Official Full Name          | huntingtin           |
| NCBI Official Synonym Full Names | huntingtin           |
| NCBI Official Symbol             | HTT                  |
| NCBI Official Synonym Symbols    | HD; IT15; LOMARS     |
| NCBI Protein Information         | huntingtin           |
| UniProt Protein Name             | Huntingtin           |
| UniProt Gene Name                | HTT                  |
| UniProt Synonym Gene Names       | HD; IT15; HD protein |
| UniProt Entry Name               | HD_HUMAN             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/htt-antibody-immunohistochemistry-elisa/176058>