

Anti-Huntingtin/HTT Antibody Picoband® FITC Conjugated

Catalog Number: PA2268-FITC

About HTT

The huntingtin gene, also called HTT or HD (Huntington disease) gene, is the IT15 ("interesting transcript 15") gene which codes for a protein called the huntingtin protein. It is mapped to 4p16.3. The protein has no sequence homology with other proteins and is highly expressed in neurons and tests in humans and rodents. HTT upregulates the expression of Brain Derived Neurotrophic Factor (BDNF) at the transcription level, and this gene is required for normal development. The HTT protein is involved in vesicle trafficking as it interacts with HIP1, a clathrin-binding protein, to mediate endocytosis, the absorption of materials into a cell. HTT was also visualized as punctate staining likely to represent nerve endings. What's more, wildtype HTT may function in the nucleus in the assembly of nuclear matrix-bound protein complexes involved with transcriptional repression and RNA processing.

Overview

| | |
|----------------------|--|
| Product Name | Anti-Huntingtin/HTT Antibody Picoband® FITC Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P42858 |

Technical Details

| | |
|------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human Huntingtin, different from the related mouse and rat sequences by two amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | FITC Excitation Wavelength: 495 nm |

| | |
|---------------------|--|
| | Emission Wavelength: 525 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Huntingtin/HTT Antibody - FITC

For Research Use Only. Not for use in diagnostic procedures.