

Anti-Huntingtin/HTT Antibody Picoband® Biotin Conjugated

Catalog Number: PA2268-Biotin

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® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
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.
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	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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