

Datasheet for ABIN919107

**anti-Tyrosine Hydroxylase antibody (AA 101-165) (AbBy Fluor® 488)**



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## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Tyrosine Hydroxylase (TH)                                                                                                      |
| Binding Specificity: | AA 101-165                                                                                                                     |
| Reactivity:          | Human, Rat, Mouse                                                                                                              |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This Tyrosine Hydroxylase antibody is conjugated to AbBy Fluor® 488                                                            |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Tyrosine Hydroxylase |
| Isotype:              | IgG                                                                      |
| Cross-Reactivity:     | Human, Mouse, Rat                                                        |
| Predicted Reactivity: | Dog,Cow                                                                  |
| Purification:         | Purified by Protein A.                                                   |

## Target Details

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Target:           | Tyrosine Hydroxylase (TH)                            |
| Alternative Name: | Tyrosine Hydroxylase ( <a href="#">TH Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Synonyms: TYH, DYT14, DYT5b, Tyrosine 3-monooxygenase, Tyrosine 3-hydroxylase, TH<br>Background: Neuronal Marker Tyrosine hydroxylase is involved in the conversion of tyrosine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons. Tyrosine hydroxylase is regularly used as a marker for dopaminergic neurons, which is particularly relevant for research into Parkinson's disease. |
| Gene ID:    | 7054                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt:    | <a href="#">P07101</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:   | <a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Response to Water Deprivation</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Feeding Behaviour</a>                                                                                                                                                                                                                                                                       |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |