

Datasheet for ABIN7647777

**anti-Tyrosine Hydroxylase antibody**[Go to Product page](#)

## Overview

|              |                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                    |
| Target:      | Tyrosine Hydroxylase (TH)                                                                                 |
| Reactivity:  | Cow                                                                                                       |
| Host:        | Rabbit                                                                                                    |
| Clonality:   | Polyclonal                                                                                                |
| Conjugate:   | This Tyrosine Hydroxylase antibody is un-conjugated                                                       |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC) |

## Product Details

|                   |                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Polyclonal Antibody to Tyrosine Hydroxylase (TH)                                                                                                                           |
| Immunogen:        | RPB438Bo01Recombinant Tyrosine Hydroxylase (TH)                                                                                                                            |
| Isotype:          | IgG                                                                                                                                                                        |
| Specificity:      | The antibody is a rabbit polyclonal antibody raised against TH. It has been selected for its ability to recognize TH in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Pig, Rat                                                                                                                                                                   |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                     |

## Target Details

|         |                           |
|---------|---------------------------|
| Target: | Tyrosine Hydroxylase (TH) |
|---------|---------------------------|

## Target Details

|                   |                                                                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Tyrosine Hydroxylase ( <a href="#">TH Products</a> )                                                                                                                                                                   |
| Background:       | TYH, DYT5b, Tyrosine 3-Monooxygenase, Dystonia 14                                                                                                                                                                      |
| UniProt:          | <a href="#">P17289</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: | Western blotting: 0.2-2 µg/mL, 1:250-2500 Immunohistochemistry: 5-20 µg/mL, 1:25-100<br>Immunocytochemistry: 5-20 µg/mL, 1:25-100 Optimal working dilutions must be determined by end user.                                                                                                                                         |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                          |
| Concentration:     | 500 µg/mL                                                                                                                                                       |
| Buffer:            | PBS, pH 7.4, containing 0.01 % SKL, 1 mM DTT, 5 % Trehalose and Proclin300.                                                                                     |
| Preservative:      | Dithiothreitol (DTT), ProClin                                                                                                                                   |
| Precaution of Use: | This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.                       |
| Storage:           | 4 °C, -20 °C                                                                                                                                                    |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |