

# Immunotag™ Phospho-Tyrosine Hydroxylase (Ser19) Antibody

| Antibody Specification |                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA0884                                                                                                                                                                                                                                                 |
| Product Description    | Immunotag™ Phospho-Tyrosine Hydroxylase (Ser19) Antibody                                                                                                                                                                                                |
| Size                   | 100 µg, 200 µg                                                                                                                                                                                                                                          |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                                                                                                           |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.                                                                                      |
| Target Protein         | Phospho-Tyrosine Hydroxylase (Ser19)                                                                                                                                                                                                                    |
| Clonality              | Polyclonal                                                                                                                                                                                                                                              |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                            |
| Application            | WB,IHC,IF/ICC,ELISA                                                                                                                                                                                                                                     |
| Recommended Dilution   | WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500                                                                                                                                                                                                       |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                 |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                                                                                                         |
| Host Species           | Rabbit                                                                                                                                                                                                                                                  |
| Immunogen              | A synthesized peptide derived from human Tyrosine Hydroxylase around the phosphorylation site of Serine 19                                                                                                                                              |
| Specificity            | Phospho-Tyrosine Hydroxylase (Ser19) Antibody detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at Serine 19                                                                                                                   |
| Purification           | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.                                                                                                 |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt                                                                                             |
| Gene Name              | TH                                                                                                                                                                                                                                                      |
| Accession No.          | P07101                                                                                                                                                                                                                                                  |
| Alternate Names        | Dystonia 14; DYT14; DYT5b; EC 1.14.16.2; OTTHUMP00000011225; OTTHUMP00000011226; ple; Protein Pale; TH; The; TY3H_HUMAN; TYH; Tyrosine 3 hydroxylase; Tyrosine 3 monooxygenase; Tyrosine 3-hydroxylase; Tyrosine 3-monooxygenase; Tyrosine hydroxylase; |

**Antibody Specification**

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|---------------------------|----------------------------------------------------------------------|
| Description               | Plays an important role in the physiology of adrenergic neurons.     |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                          |
| Protein MW                | 60 kDa                                                               |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures. |