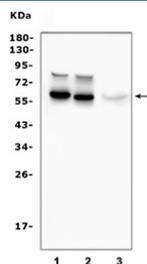


## Tyrosine Hydroxylase Antibody [clone TH-16] (R30089)

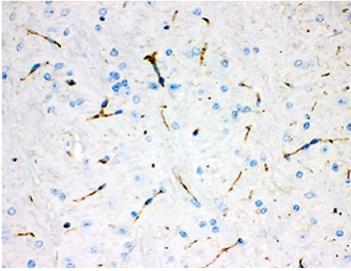
| Catalog No. | Formulation  | Size   |
|-------------|--|--------|
| R30089      | 0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS | 100 ug |

[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human, Mouse, Rat   |
| <b>Format</b>             | Ascites   |
| <b>Host</b>               | Mouse   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG1  |
| <b>Clone Name</b>         | TH-16   |
| <b>Purity</b>             | Unpurified ascites  |
| <b>Gene ID</b>            | 7054  |
| <b>Applications</b>       | Western Blot : 0.25-0.5ug/ml<br>IHC (FFPE) : 0.5-1ug/ml<br>IHC (Frozen) : 0.5-1ug/ml; formalin or acetone fixed tissues |
| <b>Limitations</b>        | This Tyrosine Hydroxylase antibody is available for research use only.  |



Western blot testing of 1) rat brain, 2) mouse brain and 3) human U-87 MG cell lysate with Tyrosine Hydroxylase antibody. Predicted molecular weight ~59 kDa.



IHC staining of FFPE rat brain tissue with Tyrosine Hydroxylase antibody. HIER: boil tissue sections in pH6 citrate buffer for 20 min and allow to cool before testing.

## Description

Tyrosine hydroxylase (TH) is involved in the conversion of phenylalanine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, TH has a key role in the physiology of adrenergic neurons. Human TH gene contains 13 primary exons and spans approximately 8 kb.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Tyrosine Hydroxylase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Rat tyrosine hydroxylase was used as the immunogen for this Tyrosine Hydroxylase antibody.

## Storage

After reconstitution, the Tyrosine Hydroxylase antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.