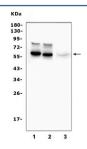


# Tyrosine Hydroxylase Antibody [clone TH-16] (R30089)

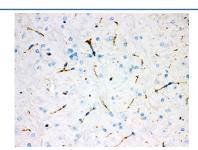
Catalog No.	Formulation	Size
R30089	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	TH-16
Purity	Unpurified ascites
Gene ID	7054
Applications	Western Blot : 0.25-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml; formalin or acetone fixed tissues
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.