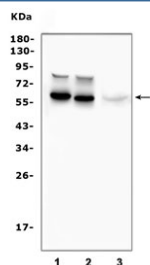


Tyrosine Hydroxylase Antibody [clone TH-16] (R30089)

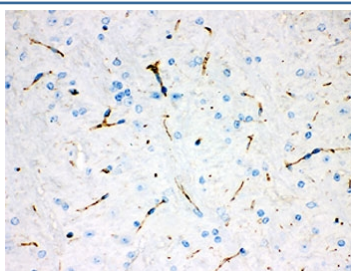
Catalog No.	Formulation	Size
R30089	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.