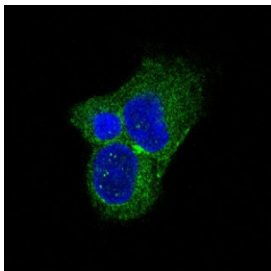


## Tyrosine Hydroxylase Antibody / TH [clone ECA-20] (RQ5166)

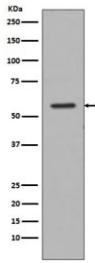
Catalog No.	Formulation	Size
RQ5166	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

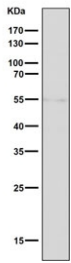
<b>Availability</b>	1-2 weeks
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	ECA-20
<b>Purity</b>	Affinity purified
<b>UniProt</b>	P07101
<b>Localization</b>	Nuclear, cytoplasmic, cell membrane
<b>Applications</b>	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50-1:200 Immunofluorescence : 1:50-1200
<b>Limitations</b>	This Tyrosine Hydroxylase antibody is available for research use only.



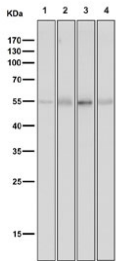
Immunofluorescent staining of FFPE rat PC-12 cells with Tyrosine Hydroxylase antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



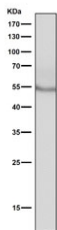
Western blot testing of human PC-3 cell lysate with Tyrosine Hydroxylase antibody.  
Predicted molecular weight: 55-60 kDa.



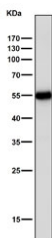
Western blot testing of human SK-BR-3 cell lysate with Tyrosine Hydroxylase antibody.  
Predicted molecular weight: 55-60 kDa.



Western blot testing of 1) mouse heart, 2) mouse brain, 3) rat heart and 4) rat lung tissue lysate with Tyrosine Hydroxylase antibody. Predicted molecular weight: 55-60 kDa.



Western blot testing of mouse penis tissue lysate with Tyrosine Hydroxylase antibody.  
Predicted molecular weight: 55-60 kDa.



Western blot testing of rat brain tissue lysate with Tyrosine Hydroxylase antibody.  
Predicted molecular weight: 55-60 kDa.

## Description

The protein encoded by the TH gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome.

## Application Notes

Optimal dilution of the Tyrosine Hydroxylase antibody should be determined by the researcher.

## **Immunogen**

A synthetic peptide specific to human Tyrosine Hydroxylase / TH was used as the immunogen for the Tyrosine Hydroxylase antibody.

## **Storage**

Store the Tyrosine Hydroxylase antibody at -20oC.