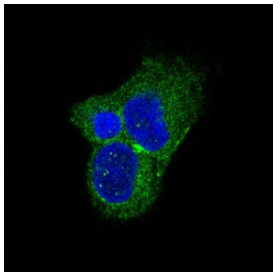
Tyrosine Hydroxylase Antibody / TH [clone ECA-20] (RQ5166)

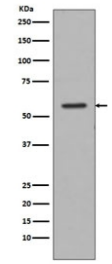
Catalog No.	Formulation	Size
RQ5166	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

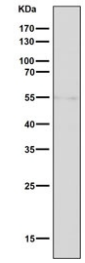
Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ECA-20
Purity	Affinity purified
UniProt	P07101
Localization	Nuclear, cytoplasmic, cell membrane
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:50-1:200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



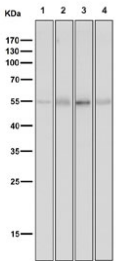
Immunofluorescent staining of FFPE rat PC-12 cells with Tyrosine Hydroxylase antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



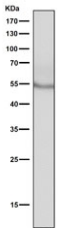
Western blot testing of human PC-3 cell lysate with Tyrosine Hydroxylase antibody. Predicted molecular weight: 55-60 kDa.



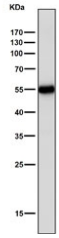
Western blot testing of human SK-BR-3 cell lysate with Tyrosine Hydroxylase antibody. Predicted molecular weight: 55-60 kDa.



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.

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