

Datasheet for ABIN2855393
anti-Tyrosine Hydroxylase antibody

5 Images

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Overview

Quantity:	100 µL
Target:	Tyrosine Hydroxylase (TH)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Whole Mount) (IHC (wm))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Tyrosine Hydroxylase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Characteristics:	Rabbit polyclonal antibody to Tyrosine Hydroxylase (tyrosine hydroxylase) Tyrosine Hydroxylase antibody [N1C1]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	Tyrosine Hydroxylase (TH)
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Target Details

Alternative Name:	tyrosine hydroxylase (TH Products)
Background:	The protein encoded by this 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. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Molecular Weight:	59 kDa
Gene ID:	7054
UniProt:	P07101
Pathways:	Dopaminergic Neurogenesis , Response to Water Deprivation , Sensory Perception of Sound , Carbohydrate Homeostasis , Feeding Behaviour

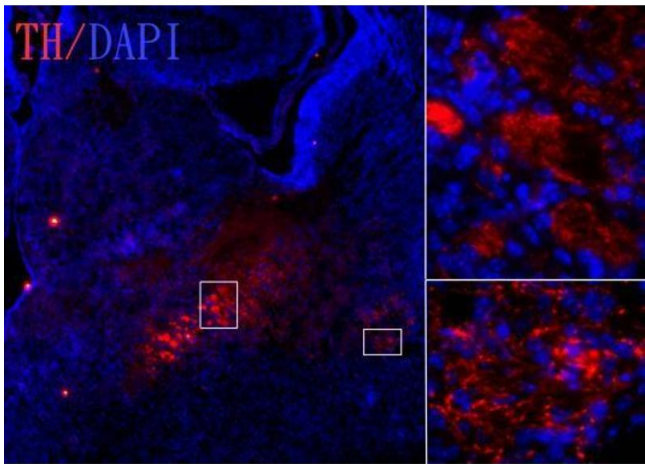
Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. IHC-Wm: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: IMR32 Validation: Orthogonal
Restrictions:	For Research Use only

Handling

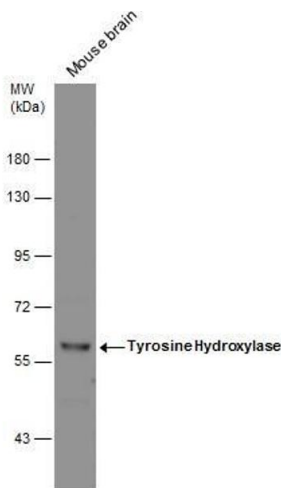
Format:	Liquid
Concentration:	0.57 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



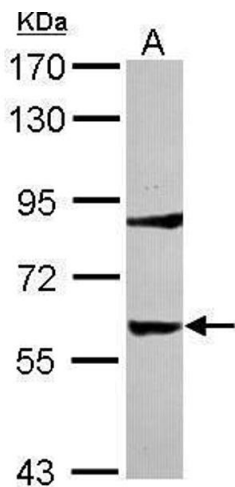
Immunohistochemistry

Image 1. IHC-Fr Image Tyrosine hydroxylase antibody [N1C1] detects tyrosine hydroxylase protein on embryonic mouse brain by immunohistochemical analysis. Sample: Frozen section of embryonic mouse brain (mE18.5). Red: Tyrosine hydroxylase antibody [N1C1] diluted at 1:1000. Blue: DAPI



Western Blotting

Image 2. WB Image Mouse tissue extract (50 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Tyrosine Hydroxylase antibody [N1C1] , diluted at 1:1000.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: IMR32 7.5% SDS PAGE antibody diluted at 1:1000

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2855393.