

ARG11149 anti-Tyrosine Hydroxylase antibody [4H2]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4H2] recognizes Tyrosine Hydroxylase
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	4H2
Isotype	IgG1
Target Name	Tyrosine Hydroxylase
Species	Human
Immunogen	Full-length Human Tyrosine Hydroxylase.
Conjugation	Un-conjugated
Alternate Names	DYT14; TYH; Tyrosine 3-monoxygenase; Tyrosine 3-hydroxylase; TH; DYT5b; EC 1.14.16.2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000
	IHC-Fr	1:1000
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 60 kDa	

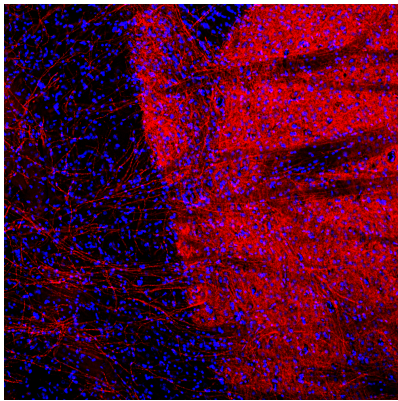
Properties

Form	Liquid
Purification	Purified
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

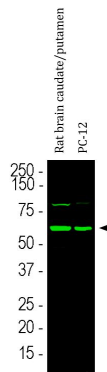
Gene Symbol	TH
Gene Full Name	tyrosine hydroxylase
Function	Plays an important role in the physiology of adrenergic neurons. [UniProt]
Calculated Mw	59 kDa

Images



ARG11149 anti-Tyrosine Hydroxylase antibody [4H2] IHC-Fr image

Immunohistochemistry: Frozen section of Rat brain tissue stained with ARG11149 anti-Tyrosine Hydroxylase antibody [4H2] (red) at 1:1000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with the above antibodies.)



ARG11149 anti-Tyrosine Hydroxylase antibody [4H2] WB image

Western blot: Rat brain caudate/putamen and PC-12 cell lysates stained with ARG11149 anti-Tyrosine Hydroxylase antibody [4H2] at 1:5000 dilution.

The strong band at about 58 kDa corresponds to TH protein. The weak band at about 80 kDa in the rat brain homogenate is likely an aggregated form of TH, which does not affect the specific cell and process staining of this antibody.