

ARG52462 anti-Tyrosine Hydroxylase antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Sheep Polyclonal antibody recognizes Tyrosine Hydroxylase
Tested Reactivity	Hu, Ms, Rat, Mamm
Predict Reactivity	Gpig
Tested Application	ICC/IF, IHC-P, WB
Host	Sheep
Clonality	Polyclonal
Isotype	IgG
Target Name	Tyrosine Hydroxylase
Species	Rat
Immunogen	Native rat tyrosine hydroxylase, purified from pheochromocytoma.
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-P	1:1000
	WB	1:1000
Application Note	Specific for the ~60k tyrosine hydroxylase protein. Predict reacting to most mammals and some invertebrates. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

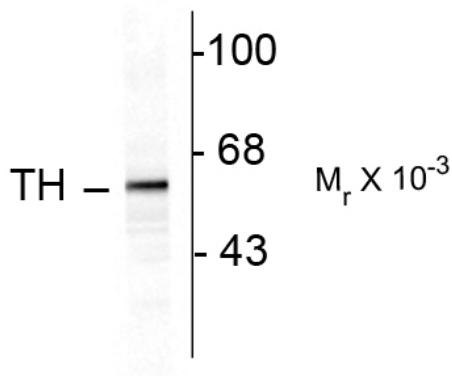
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

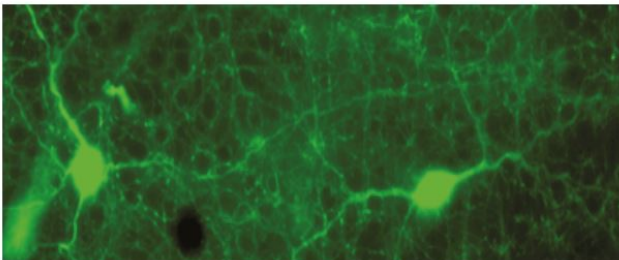
Gene Symbol	TH
Gene Full Name	tyrosine hydroxylase
Background	Tyrosine hydroxylase (TH) is the rate-limiting enzyme in the synthesis of the catecholamines dopamine and norepinephrine. TH antibodies can therefore be used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). TH antibodies can also be used to explore basic mechanisms of dopamine and norepinephrine signaling (Witkovsky et al., 2000; Salvatore et al., 2001).
Highlight	Related products: Tyrosine Hydroxylase antibodies ; Tyrosine Hydroxylase Duos / Panels ; Anti-Sheep IgG secondary antibodies ; Related news: Astrocyte-to-neuron conversion for Parkinson's disease treatment
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	59 kDa

Images



ARG52462 anti-TH antibody WB image

Western Blot: 10 μ g of rat caudate lysate showing specific immunolabeling of the \sim 60 k tyrosine hydroxylase proteins stained with TH antibody (ARG52462).



ARG52462 anti-TH antibody IHC image

Immunohistochemistry: rabbit retina stained with ARG52462 anti-TH antibody showing specific labeling of tyrosine hydroxylase in green.