

Datasheet for ABIN361414

## anti-Tyrosine Hydroxylase antibody

3 Images



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### Overview

Quantity:	100 µL
Target:	Tyrosine Hydroxylase (TH)
Reactivity:	Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	SDS-denatured, native rat tyrosine hydroxylase purified from pheochromocytoma
Specificity:	Specific for the ~60k tyrosine hydroxylase protein.
Cross-Reactivity:	Mammalian
Purification:	Antigen Affinity Purified from Pooled Serum

### Target Details

Target:	Tyrosine Hydroxylase (TH)
Alternative Name:	Tyrosine Hydroxylase ( <a href="#">TH Products</a> )
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

Target Details

	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). Anti-Tyrosine Hydroxylase Western blot of 10 ug of rat caudate lysate showing specific immunolabeling of the ~60k tyrosine hydroxylase protein.
Molecular Weight:	'60 kDa
Gene ID:	25085
UniProt:	<a href="#">P04177</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Response to Water Deprivation</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Feeding Behaviour</a>

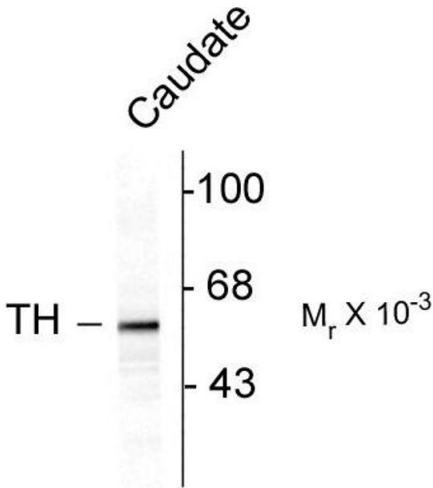
Application Details

Application Notes:	Recommended Dilution: WB: 1:1000 IF (frozen sections, unpublished observations): 1:1000 IHC (frozen sections, unpublished observations): 1:1000 Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

Handling

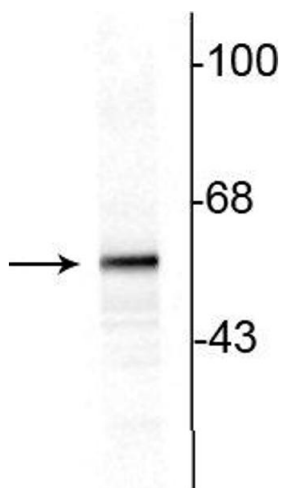
Format:	Liquid
Buffer:	100 µL in 10 mM HEPES ( pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.
Storage:	-20 °C

Images



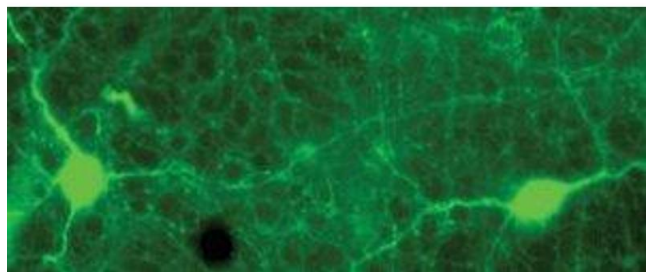
Western Blotting

**Image 1.** Western blots of 10 ug of rat caudate lysate showing specific immunolabeling of the ~60k tyrosine hydroxylase protein.



#### Western Blotting

**Image 2.** Western blot of 10ug of rat striatal lysate showing specific immunolabeling of the ~60 kDa tyrosine hydroxylase protein.



#### Immunostaining

**Image 3.** Immunostaining of rabbit retina showing specific labeling of tyrosine hydroxylase in green.