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Datasheet for ABIN570916 anti-Tyrosine Hydroxylase antibody (C-Term)





Overview

Quantity:	100 µg
Target:	Tyrosine Hydroxylase (TH)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Tyrosine Hydroxylase antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Tyrosine Hydroxylase
Immunogen:	Peptide with sequence C-VQDELDTLAHAL, from the C Terminus of the protein sequence according to NP_954986.2, NP_000351.2, NP_954987.2.
Sequence:	VQDELDTLAH AL
Isotype:	lgG
Specificity:	This antibody is expected to recognise all three reported isoforms (as represented by NP_954986.2, NP_000351.2, NP_954987.2).
Predicted Reactivity:	Human, Rat, Dog
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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Product Details

Grade:

Verified

Target Details

Target:	Tyrosine Hydroxylase (TH)
Alternative Name:	Tyrosine Hydroxylase (TH Products)
Background:	TH, tyrosine hydroxylase, HGNC:11782, TYH, DYT14, DYT5b, dystonia 14, tyrosine 3-
	monooxygenase
Gene ID:	7054
NCBI Accession:	NP_954986, NP_000351, NP_954987
Pathways:	Dopaminergic Neurogenesis, Response to Water Deprivation, Sensory Perception of Sound,
	Carbohydrate Homeostasis, Feeding Behaviour
Application Dataila	
Application Details	
Application Notes:	DS IHC Results: Cryosections of Human Hypothalamus. Recommended dilution range between
	1:1000 and 1:10.000.
	Peptide ELISA: antibody detection limit dilution 1:8000.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum
	albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated
	at 4°C for a few weeks and still remain viable.

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	250kDa 150kDa 100kDa 75kDa
-	50kDa
ŝ	37kDa
1	25kDa
	20kDa
	15kDa

Western Blotting

Image 1. ABIN570916 (2µg/ml) staining of Human Cerebral Cortex lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

Immunohistochemistry

Image 2. EB6739 (0.1µg/ml) staining of PFA-perfused cryosection of Human Hypothalamic supraoptic (SO), paraventricular (Pa) and periventricular (Pe) nuclei. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, HRP-staining with Ni-DAB after Biotin-SP-anti





Immunohistochemistry

Image 3. ABIN570916 immunostaining of dopaminergic neurons in cryosection of an immersion-fixed (4% PFA) human hypothalamus. HRP-staining with Ni-DAB, after Biotin-SP-anti-goat (IgG) method. Data obtained by Drs. Éva Rumpler and Erik Hrabovszky, Inst, Exp, Med, Budapest

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