ARG54894
anti-Tyrosine Hydroxylase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Tyrosine Hydroxylase
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Tyrosine Hydroxylase
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 486-514 (C-terminus) of Human Tyrosine Hydroxylase.
Conjugation	Un-conjugated
Alternate Names	DYT14; TYH; Tyrosine 3-monooxygenase; Tyrosine 3-hydroxylase; TH; DYT5b; EC 1.14.16.2

Application Instructions

Application table

Application	Dilution
FACS	1:10 - 1:50
IHC-P	Assay-dependent
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: SW480

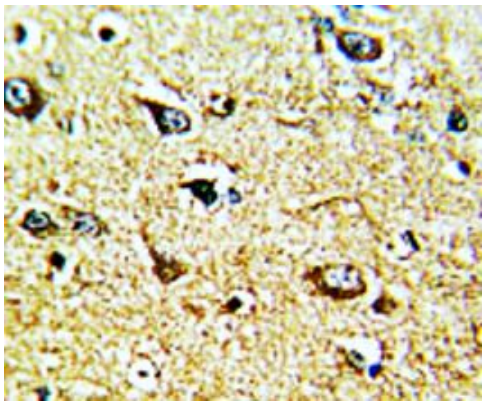
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
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 or below. 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

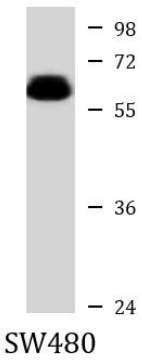
Database links	GeneID: 7054 Human Swiss-port # P07101 Human
Gene Symbol	TH
Gene Full Name	tyrosine hydroxylase
Background	The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in 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. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the physiology of adrenergic neurons. [UniProt]
Highlight	Related products: Tyrosine Hydroxylase antibodies; Tyrosine Hydroxylase Duos / Panels; Anti-Rabbit 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



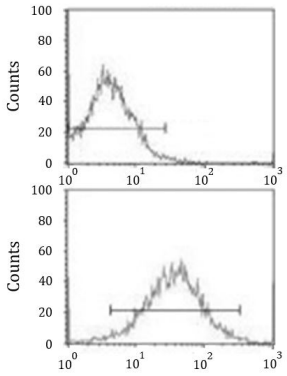
ARG54894 anti-Tyrosine Hydroxylase antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue stained with ARG54894 anti-Tyrosine Hydroxylase antibody.



ARG54894 anti-Tyrosine Hydroxylase antibody WB image

Western blot: 20 µg of SW480 cell lysate stained with ARG54894 anti-Tyrosine Hydroxylase antibody at 1:1000 dilution.



ARG54894 anti-Tyrosine Hydroxylase antibody FACS image

Flow Cytometry: K562 cells stained with ARG54894 anti-Tyrosine Hydroxylase antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.