



Catalog Number: RA21030

Host: Rabbit

Product Type: Rabbit Polyclonal IgG

Species Reactivity: Human, Mouse, and Rat

Immunogen Sequence: Synthetic peptide

Format: Lyophilized powder

Applications:
Immunohistochemistry: 1-10 ug/ml
Immunofluorescence: 1-15 ug/ml
Western Blot: 1 ug/ml

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

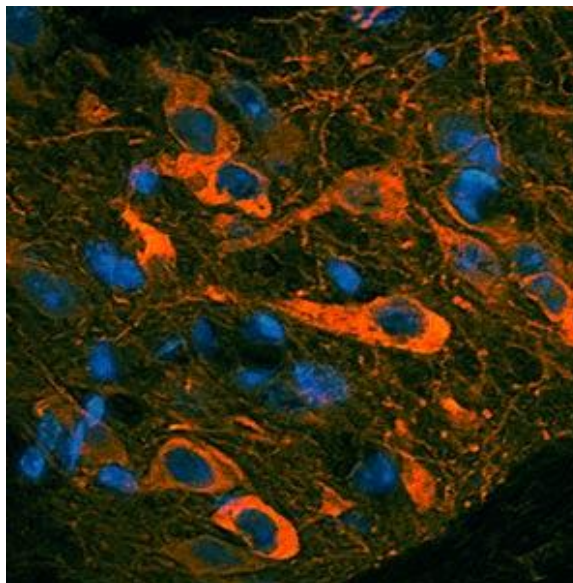
Storage: The product can be stored as supplied for up to 12 months at 2°C-4°C. After reconstitution, aliquot and store at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.

Application Notes

Description/Data:

Plays a key role in the physiology of adrenergic neurons. TH catalyzes the conversion of the amino acid L-tyrosine to dihydroxyphenylalanine (DOPA), which, in turn, serves as a precursor for neurotransmitters dopamine, norepinephrine (noradrenaline) and epinephrine (adrenaline) the conversion of tyrosine to dopamine.

Image: Immunohistochemical detection of Tyrosine Hydroxylase in rat brain Substantia Nigra. Brain was fixed with 4% formaldehyde and cut into 10 µm thick cryostat sections. Tissue was incubated with rabbit polyclonal antibody to Tyrosine Hydroxylase at 2 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit Rhodamine Red conjugated secondary antibodies at 1:200. Neuronal nuclei were counterstained with DAPI (blue)



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