

TH polyclonal antibody

Catalog: BS91342

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The enzyme tyrosine hydroxylase (TH), also designated tyrosine 3-monoxygenase (TY3H), catalyzes the conversion of tyrosine to L-dopa, which is the rate limiting step in the biosynthesis of catecholamines such as dopamine, adrenalin and noradrenalin. TH is thought to play a role in the pathogenesis of Parkinson's disease, which is associated with reduced dopamine levels. Two transcription factor binding sites in the proximal region of the TH gene, the TPA-responsive element (TRE) and the c-AMP responsive element (CRE), have been implicated in the complex regulation of the TH gene. TH is also known to be upregulated by the glia maturation factor (GMF), a Cdc 10/SWI6 motif-containing protein called V-1, and a variety of additional compounds.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

59 kDa

Swiss-Prot:

P07101(Human) P24529(Mouse) P04177(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:50,000-1:100,000

ICC:1:100-1:500

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

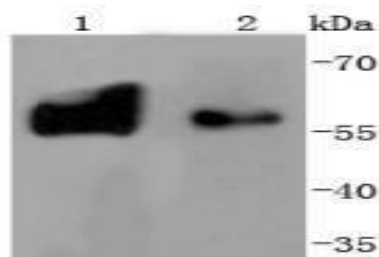
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

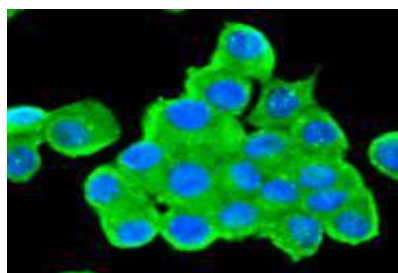
Specificity:

TH polyclonal antibody detects endogenous levels of TH protein.

DATA:



Western blot analysis of Tyrosine Hydroxylase on different lysates using anti-Tyrosine Hydroxylase antibody at 1/50,000 dilution. Positive control: Lane 1: PC-12 Lane 2: Mouse brain



ICC staining Tyrosine Hydroxylase in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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