

AP1109

Leader in Biomolecular Solutions for Life Science



Phospho-Tyrosine Hydroxylase-S40 Rabbit pAb

Catalog No.: AP1109

Basic Information

Observed MW

Refer to figures

Calculated MW

59kDa

Category

Polyclonal Antibody

Applications

WB,ELISA

Cross-Reactivity

Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7054

Swiss Prot

P07101

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

TYH; DYT14; DYT5b; Phospho-Tyrosine Hydroxylase-S40

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

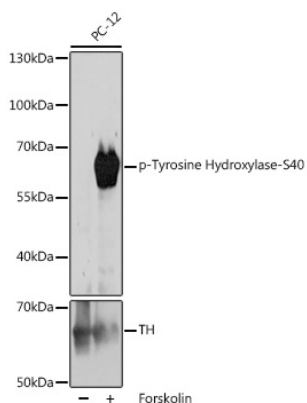
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from PC-12 cells, using Phospho-Tyrosine Hydroxylase-S40 pAb (AP1109) at 1:1000 dilution or Tyrosine Hydroxylase antibody (A0028). PC-12 cells were treated with Forskolin (30 μ M) at 37°C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.