

## Phospho-TH-S19

**Reactivity:**Rat

**Tested applications:**IF

**Recommended Dilution:**IF 1:100 - 1:200

**Observed MW:**Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding S19 of human TH

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

TYH; DYT14; DYT5b;

**Catalog #:**AP0461

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7054

**Isotype:**IgG

**Swiss Prot:**P07101

**Purity:**Affinity purification

For research use only.

### 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.

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