

### 35-1198: Polyclonal Antibody to Tyrosine Hydroxylase (Phospho-Ser40)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IF
<b>Reactivity :</b>	Rat,Mouse,Human
<b>Gene :</b>	TH
<b>Gene ID :</b>	7054
<b>Uniprot ID :</b>	P07101
<b>Format :</b>	Purified
<b>Alternative Name :</b>	TY3H, TYH, Tyrosine 3-hydroxylase, tyrosine hydroxylase
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 40 (R-Q-S(p)-L-I) derived from Human Tyrosine Hydroxylase (TH).

#### Description

The protein encoded by Tyrosine Hydroxylase 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.

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Predicted MW: 55-60 kd, Immunofluorescence: 1:100~1:200

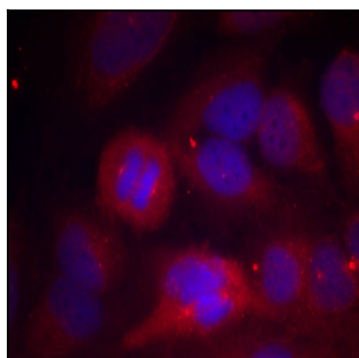


Figure 1: Immunofluorescence staining of methanol-fixed HeLa cells using Tyrosine Hydroxylase(Phospho-Ser40) Antibody 35-1198 .