

## Anti-Phospho-TH-Ser71 antibody (10-90) (STJ90749)

STJ90749

### GENERAL INFORMATION

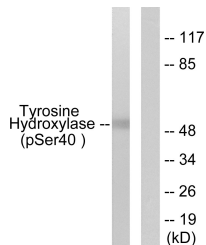
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Rabbit polyclonal antibody anti-Phospho-Tyrosine 3-Monooxygenase-Ser71 (10-90) is suitable for use in Western Blot, Immunohistochemistry, Immunofluorescence and ELISA research applications.
<b>Applications</b>	WB, IHC-P, IF-P, ELISA
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat

### PRODUCT PROPERTIES

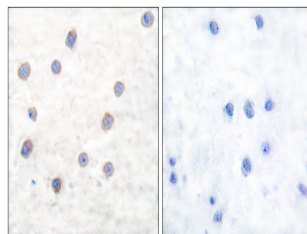
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	1 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	The antibody was affinity-purified from rabbit anti-serum by affinity-chromatography.
<b>Dilution Range</b>	WB 1:500-1:2000 IHC 1:100-1:300 ELISA 1:40000
<b>Formulation</b>	PBS, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

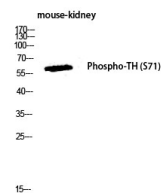
<b>Gene ID</b>	7054
<b>Gene Symbol</b>	TH
<b>Uniprot ID</b>	TY3H_HUMAN
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Tyrosine Hydroxylase around the phosphorylation site of Ser40 at amino acid range 41-90
<b>Immunogen Region</b>	10-90
<b>Specificity</b>	Phospho-TH-Ser71 polyclonal antibody (Tyrosine 3-Monooxygenase) binds to endogenous Tyrosine 3-Monooxygenase at the amino acid region 10-90 only when phosphorylated at Ser71.
<b>Immunogen Sequence</b>	



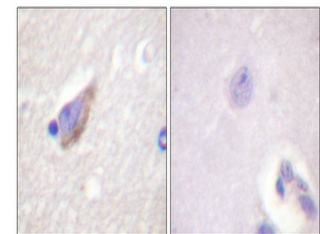
Western blot analysis of lysates from RAW264.7 cells treated with UV 30', using Tyrosine Hydroxylase (Phospho-Ser40) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using Tyrosine Hydroxylase (Phospho-Ser40) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of mouse-kidney lysis using Phospho-TH (S71) antibody. Antibody was diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.