

## Anti-TH antibody (411-528) (STJ114629)

### GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

### PRODUCT PROPERTIES

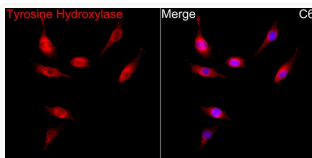
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:5000 IHC-P:1:50-1:200 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 59kDa Observed Mw:
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

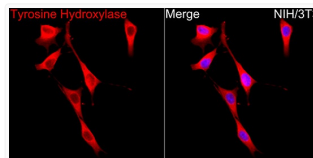
Gene ID	<a href="#">7054</a>
Gene Symbol	<a href="#">TH</a>
UniProt ID	<a href="#">TY3H_HUMAN</a>
Immunogen Region	411-528
Immunogen Sequence	KQNGEVKAYGAGLLSSYGEL LHCLSEEP EIRAFDPEAAAV QPYQDQTYQSVYFVSESFSD AKDKLRSYASRIQRPFVSKF DPYTLAIDVLDSPQAVRRSL EGVQDELDTLAHALSAIG
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 411-528 of human Tyrosine Hydroxylase (NP_954986.2).

### ADDITIONAL INFORMATION

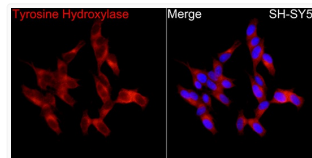
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



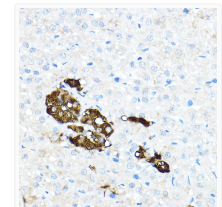
Immunofluorescence analysis of C6 cells using Tyrosine Hydroxylase Rabbit polyclonal antibody (STJ114629) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



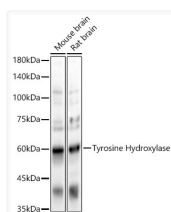
Immunofluorescence analysis of NIH/3T3 cells using Tyrosine Hydroxylase Rabbit polyclonal antibody (STJ114629) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using Tyrosine Hydroxylase Rabbit polyclonal antibody (STJ114629) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of Tyrosine Hydroxylase in paraffin-embedded rat adrenal gland using Tyrosine Hydroxylase Rabbit polyclonal antibody (STJ114629) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates, using Tyrosine Hydroxylase Rabbit polyclonal antibody (STJ114629) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.