Anti- Tyrosine Hydroxylase (Phospho-Ser19) Polyclonal Antibody

EARTH OX

Catalog No.	Size
A100016-01	**50** µl
A100016-02	**100** µl

Specificity	Anti- Tyrosine Hydroxylase (Phospho-Ser19) (human Mouse Rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC IF
Form	Liquid, 1 mg/ml

Specificity and Sensitivity

Swiss-Prot No.: P07101

Other Names: EC 1.14.16.2; TH isoform 3; TH isoform a; TH-4; TY3H; TYH; Tyrosine 3-hydroxylase; Tyrosine 3-monooxygenase; tyrosine hydroxylase

Specificity and Sensitivity

Tyrosine Hydroxylase (Phospho-Ser19) antibody detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at serine 19.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human Tyrosine Hydroxylase around the phosphorylation site of serine 19 (A-V-S^P-E-Q). The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000   IHC: 1:50~1:100

IF: 1:100~1:500   ELISA: 1:5000

Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.
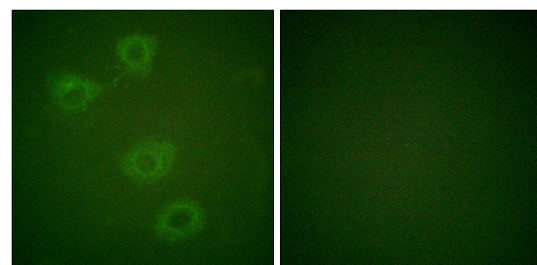
Images
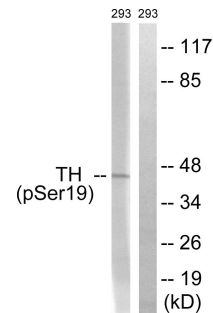
Western blot analysis of extracts from 293 cells, treated with Insulin (0.01U/ml, 30mins), using Tyrosine Hydroxylase (Phospho-Ser19) antibody.
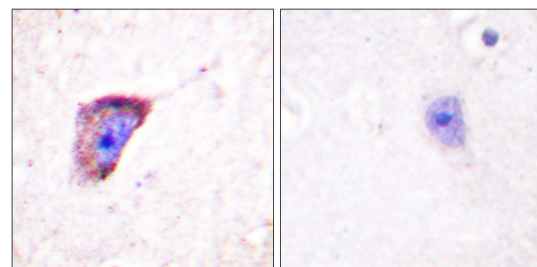
Immunohistochemistry analysis of paraffin-embedded human brain tissue using Tyrosine Hydroxylase (Phospho-Ser19) antibody.

Immunofluorescence analysis of HuvEc cells, using Tyrosine Hydroxylase (Phospho-Ser19) antibody.