

Anti-Tyrosine Hydroxylase (Ab-19) Polyclonal Antibody



| <u>Catalog No.</u> | <u>Size</u> |
|--------------------|-------------|
| A200011-01 | 50 µl |
| A200011-02 | 100 µl |

| | |
|--------------------|---|
| Specificity | Anti-Tyrosine Hydroxylase (Ab-19) (human mouse rat) |
| Source | Rabbit Polyclonal |
| Application | WB IHC ELISA IF |
| Form | Liquid, 1 mg/ml |

Product

Swiss-Prot No.: Q2M3B4

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

Specificity and Sensitivity

Tyrosine Hydroxylase (Ab-19) antibody detects endogenous levels of total Tyrosine Hydroxylase protein.

Source and Purification

The antiserum was produced against synthesized non-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: 1:300~3000 IF: 1:100~1:500
ELISA: 1:10000 IHC: 1:50~1:100

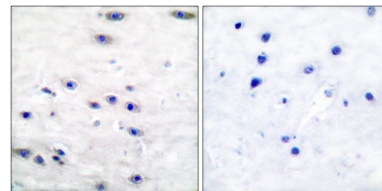
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

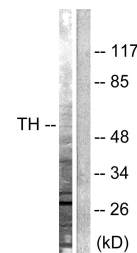
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



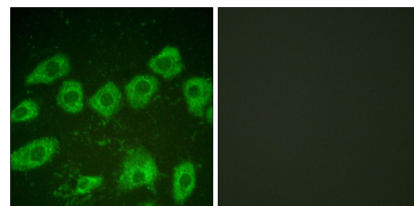
Peptide - +

Immunohistochemical analysis of paraffin-embedded human brain tissue using Tyrosine Hydroxylase (Ab-19) antibody.



Forskolin ++
Peptide - +

Western blot analysis of extracts from 3T3 cells treated with Forskolin (40nM, 30min), using Tyrosine Hydroxylase (Ab-19) antibody.



Peptide - +

Immunofluorescence analysis of HuvEc cells, using Tyrosine Hydroxylase (Ab-19) antibody.