

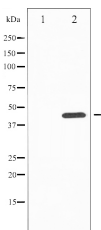
Phospho-Tyrosine Hydroxylase (Ser19) Ab

Cat.#: AF3112
Size: 100ul,200ul

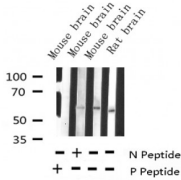
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 60 kDa
Clonality: Polyclonal

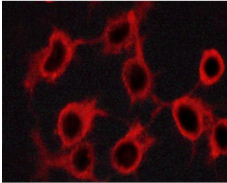
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Tyrosine Hydroxylase (Ser19) Ab detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at Serine 19
Immunogen:	A synthesized peptide derived from human Tyrosine Hydroxylase around the phosphorylation site of Serine 19
Uniprot:	P07101
Description:	Tyrosine hydroxylase (EC 1.14.16.2) is involved in the conversion of phenylalanine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons.
Tissue Specificity:	Mainly expressed in the brain and adrenal glands.
Similarity:	Belongs to the biopterin-dependent aromatic amino acid hydroxylase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



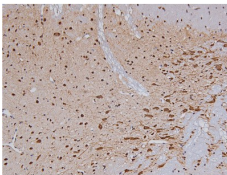
Western blot analysis of Tyrosine Hydroxylase phosphorylation expression in PC12 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Western blot analysis of Phospho-Tyrosine Hydroxylase (Ser19) expression in various lysates



AF3112 staining HeLa cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.



AF3112 at 1/200 staining Rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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