

bs-0016R**[Primary Antibody]****BioSS**
ANTIBODIES

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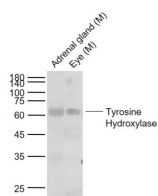
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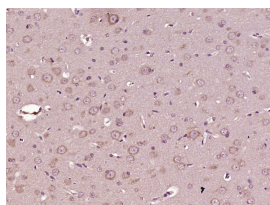
400-901-9800

Tyrosine Hydroxylase Rabbit pAb**— DATASHEET —**

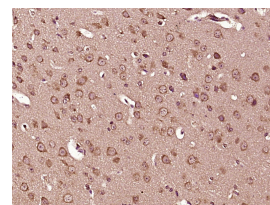
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 21823	SWISS: P24529	IHC-F (1:100-500)
Target: Tyrosine Hydroxylase		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from mouse TH: 101-165/528.		Reactivity: Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 60 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cell membrane ,Cytoplasm
Background: bs-0016P is one synthetic peptide derived from human TH. The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with Tyrosine Hydroxylase polyclonal antibody, unconjugated (bs-0016R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (Rat Cerebrum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (bs-0016R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse Cerebrum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tyrosine Hydroxylase) Polyclonal Antibody, Unconjugated (bs-0016R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=14.612]** Na Zhou. et al. Specific Fluorescent Probe Based on “Protect–Deprotect” To Visualize the Norepinephrine Signaling Pathway and Drug Intervention Tracers. J Am Chem Soc. 2020;142(41):17751–17755 IF ;Human. 33000941
- **[IF=15.1]** Ruiqi Wu. et al. Ultrasound triggered local sequential reactive oxygen species and nitric oxide release for enhanced cerasomal drug delivery. CHEM ENG J. 2024 Mar;:150134 IF ;Mouse. 10.1016/j.cej.2024.150134
- **[IF=5.811]** Lang Xiu-Yuan. et al. Coeloglossum viride Var. Bracteatum Extract Attenuates MPTP-Induced Neurotoxicity in vivo by Restoring BDNF-TrkB and FGF2-Akt Signaling Axis and Inhibiting RIP1-Driven Inflammation. FRONT PHARMACOL.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

2022 Apr;0:1571 WB ;Mouse. 35571135

- **[IF=6.35]** Yue Y et al. Noradrenaline-Specific, Efficient Visualization in Brain Tissue Triggered by Unique Cascade Nucleophilic Substitution. Anal Chem. 2019 Feb 5;91(3):2255-2259. IF ;MOUSE. 30592201
- **[IF=5.6]** Lu Yang. et al. Berberine attenuates depression-like behavior by modulating the hippocampal NLRP3 ubiquitination signaling pathway through Trim65. INT IMMUNOPHARMACOL. 2023 Oct;123:110808 WB ;Mouse. 37595491