

**bsm-52574R****[ Primary Antibody ]****BioSS**  
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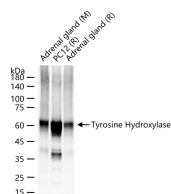
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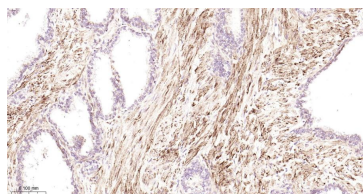
400-901-9800

**Tyrosine Hydroxylase Recombinant Rabbit mAb****— DATASHEET —**

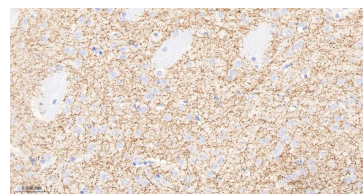
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1:50-100) <b>ICC/IF</b> (1:50-200)  <b>Reactivity:</b> Human, Mouse, Rat   <b>Predicted MW.:</b> 60 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 8B6	
<b>GeneID:</b> 7054	<b>SWISS:</b> P07101	
<b>Target:</b> Tyrosine Hydroxylase		
<b>Immunogen:</b> A synthesized peptide derived from human Tyrosine hydroxylase: 500-528.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 monoclonal antibody, unconjugated (bsm-52574R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Prostate Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated (bsm-52574R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated (bsm-52574R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

**— SELECTED CITATIONS —**

- **[IF=9.3]** Zeng Hong. et al. Unbiased multitissue transcriptomic analysis reveals complex neuroendocrine regulatory networks mediated by spinal cord injury-induced immunodeficiency. J NEUROINFLAMM. 2023 Dec;20(1):1-24 IHC ;Rat. 3775760
- **[IF=5.9]** Natália Perin Schmidt. et al. Effect of Probiotic Lactacisibacillus rhamnosus LB1.5 on Anxiety-like Behavior, Neuroprotection and Neuroinflammation Markers of Male Mice Fed a High-Fat Diet. NUTRIENTS. 2024 Jan;16(6):879 IHC ;Mouse. 38542789