

bs-0819R**[Primary Antibody]****Bioss**
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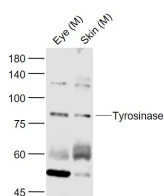
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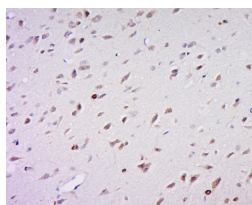
400-901-9800

Tyrosinase Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 7299 Target: Tyrosinase Immunogen: KLH conjugated synthetic peptide derived from human Tyrosinase: 155-250/529. Purification: affinity purified by Protein A Concentration: 1mg/ml 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. Background: Tyrosinase is the key enzyme for melanin, synthesis in mammalian melanocytes and has been considered to be a unique marker for the study of melanocyte differentiation. A cDNA library was constructed from poly(A) ⁺ mRNA from mouse melanocytes and screened using anti-tyrosinase antiserum and oligonucleotide probes corresponding to amino acid sequence of tyrosinase. sequencing of some cDNA clones positive in these screenings gave a nucleotide sequence of 1838 nucleotides including a open reading frame of 1344 nucleotides that was found to correspond exactly to the amino acid sequence of the cyanogen bromide fragments of tyrosinase.	Isotype: IgG SWISS: P14679	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog) Predicted MW.: 56 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Eye (Mouse) Lysate at 40 ug
 Lane 2: Skin (Mouse) Lysate at 40 ug
 Primary: Anti-Tyrosinase (bs-0819R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 80 kD
 Observed band size: 80 kD



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-tyrosinase Polyclonal Antibody, Unconjugated (bs-0819R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

— SELECTED CITATIONS —

- **[IF=4.868]** Miao F et al. Intramelanocytic Acidification Plays a Role in the Antimelanogenic and Antioxidative Properties of Vitamin C and Its Derivatives. *Oxid Med Cell Longev*. 2019 May 12;2019:2084805. **WB ; Human**. 31214276
- **[IF=4.563]** Kumiko Kobayashi-Nakamura. et al. Rhamnazin suppresses melanosome transport by promoting the ubiquitin-mediated proteasomal degradation of melanophilin. *J Dermatol Sci*. 2021 Dec;: IF ; **Mouse**. 34955374

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

- **[IF=4.191]** Lee C. J. et al. Melanogenesis regulatory activity of the ethyl acetate fraction from *Arctium lappa* L. leaf on α -MSH-induced B16/F10 melanoma cells. *Industrial Crops and Products*, 2019 138, 111581. WB ;Mouse. doi:10.1016/j.indcrop.2019.111581
- **[IF=4.067]** Kwong SP et al. Identification of photodegraded derivatives of usnic acid with improved toxicity profile and UVA/UVB protection in normal human L02 hepatocytes and epidermal melanocytes. *J Photochem Photobiol B*. 2020 Feb 6;205:111814. WB ;Human. 32092663
- **[IF=4.171]** Han H et al. Anti-Melanogenic Effect of Ethanolic Extract of *Sorghum bicolor* on IBMX-Induced Melanogenesis in B16/F10 Melanoma Cells. *Nutrients*. 2020 Mar 20;12(3). WB ;mouse. 32245029