

Anti-Tyrosinase/TYR Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Mouse,Rat (predicted:Human,Dog,Pig,Cow,Sheep)
Molecular Weight: Theoretical: 56 kDa. Actual: 80 kDa.
Purification: Protein A purified

Applications

1. Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-tyrosinase Polyclonal Antibody, Unconjugated (TMAB-01923) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

Verified Activity:

2. Sample:

Lane 1: Eye (Mouse) Lysate at 40 µg

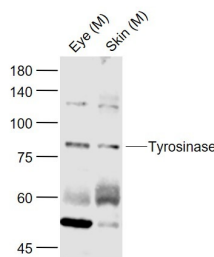
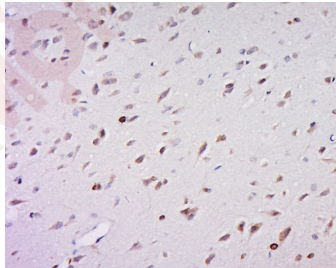
Lane 2: Skin (Mouse) Lysate at 40 µg

Primary: Anti-Tyrosinase (TMAB-01923) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 80 kDa

Observed band size: 80 kDa



Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Tyrosinase

Antigen Species: Human

Gene ID: 7299

Uniprot ID: P14679

Synonyms: TYR;Tumor rejection antigen AB;LB24-AB;Monophenol monooxygenase;Tyrosinase;SK29-AB

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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