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Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated

Catalase Antibody Biotin Conjugated
Catalog # ASR4734

Specification

Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Biotin**
Target Species	**Bovine**
Reactivity	**Bovine**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**Anti-Catalase Biotin Conjugated Antibody has been tested by ELISA and western blot. This antibody is assayed against 1.0 ug of Catalase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethyl benthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Catalase [Bovine Liver]**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated - Additional Information

Gene ID 531682

Other Names
531682

Purity
Anti-Catalase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Catalase [Bovine Liver]. Cross reactivity against Catalase from other sources may occur

but has not been specifically determined.

Storage Condition
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated - Protein Information

Name CAT

Function
Catalyzes the degradation of hydrogen peroxide (H(2)O(2)) generated by peroxisomal oxidases to water and oxygen, thereby protecting cells from the toxic effects of hydrogen peroxide (PubMed:10691967). Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells (PubMed:10691967).

Cellular Location
Peroxisome matrix.

Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated - Images

Anti-CATALASE (Bovine Liver) (RABBIT) Antibody Biotin Conjugated - Background

Anti-Catalase antibody serves to protect cells of aerobically respiring organisms from the negative effects of hydrogen peroxide. Additionally Catalase promotes cell growth including T-cells, B-cells, myeloid leukemia, melanoma, mastocytoma, and normal and transformed fibroblast cells. Belonging to the catalase family, Anti-Catalase antibody is ideal for researchers invested in Metabolism, Cancer , Cardiovascular , Signal Transduction, and Tags & Cell Marker research.