

Catalase Antibody

Rabbit Polyclonal Antibody Catalog # ABV10620

Specification

Catalase Antibody - Product Information

Application WB
Primary Accession P04040
Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 59756

Catalase Antibody - Additional Information

Gene ID 847

Application & Usage

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects a 58 kDa protein, corresponding to the apparent molecular mass of Catalase on SDS-PAGE immunoblots, in samples from human origins.

Other Names CAT, Cas1, Cast 1, cast-1

Target/Specificity Catalase

Antibody Form Liquid

AppearanceColorless liquid

Formulation

 $100 \mu g$ (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage -20 °C

Background Descriptions



Precautions

Catalase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Catalase Antibody - 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:7882369). Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells (PubMed:7882369).

Cellular Location

Peroxisome

Catalase Antibody - 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

Catalase Antibody - Images

Catalase Antibody - Background

Catalase is known marker for peroxisomes. It is the most abundant protein in the peroxisomes. It is present in all aerobically respiring organisms. It protects cells form the toxicity of hydrogen peroxide.