



Catalase Polyclonal Antibody

E14-02

Background: Catalase is a homotetrameric heme-containing enzyme present in all aerobic cells. It catalyzes a dismutation reaction in which hydrogen peroxide is converted to water and oxygen. Catalase has been implicated as an important factor in inflammation, mutagenesis, anti-apoptosis, and tumorigenesis. Deficiency of catalase could lead to the human genetic disease, including acatalasemia or Takahara's disease.

Catalog Number: E14-02

Amount: 100µg/100µl

Immunogen: recombinant human catalase (rh-Catalase), C-terminal of Catalase

Purification: Purified by protein A column

Storage: Store at -20 °C upon arrival for one year. Avoid repeated freeze-thaw cycles.

Formulation: Each vial at least contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of 0.01 M PBS, PH7.4, 1 mg/ml BSA, 20 % glycerol, 0.01 % (w/v) NaN₃

Limitation: For research use only and are not intended for diagnostic or therapeutic use.

Isotope: Rabbit IgG

Species Reactivities: Human, mouse, rat, pig

Tested Applications: ELISA, WB Other applications have not been tested.

Application notes: WB: 1:500-5000



WB assay

1st antibody: E14-02, dilution: 1:5000

2nd antibody: goat antibody against rabbit IgG conjugated with HRP, dilution: 1:5000, visualized by DAB

Protein Molecular Wt.: 60 kDa

M: prestained protein marker

1: 30 µg pig liver homogenate

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