

DATASHEET

Version: 2016-08-17

Catalase Antibody, pAb, Rabbit

Cat. No.: A01188-40

Size: 40 µg

Synonyms: Rabbit Anti-Catalase pAb;

Description:

Catalase, also known as CAT, is the most abundant protein found in peroxisomes. It is found in almost all aerobically respiring organisms. It serves to protect cells from the toxic effects of hydrogen peroxide. Anti-catalase pAb can act as a marker for peroxisomes. Defects in CAT causes acatalasia which is characterized by the absence of catalase activity in red cells and is often associated with ulcerating oral lesions. GenScript **Rabbit Anti-Catalase Polyclonal Antibody** is developed in rabbit hosts using a KLH-coupled synthetic peptide within residues 150-200 of mouse catalase protein (Swiss Prot: P24270).

Immunogen: Synthetic peptide (KLH-coupled) within residues 150-200 of mouse catalase protein (Swiss Prot: P24270).

Host: Rabbit

Antigen Synonyms: Mouse

Conjugation: Unconjugated

Predicated Band Size:

60 kD

Observed Band Size:

60 kD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-Catalase Polyclonal Antibody detects endogenous levels of mouse catalase protein. Sequence homology predicts that it will also react with human and rat catalase protein.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-2 µg/ml

Other applications: user-optimized

Species Reactivity: Mouse. This product has not yet been tested with other species.

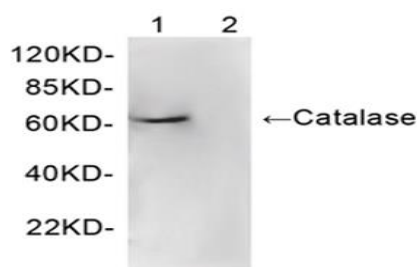
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of mouse liver tissue lysate using 2 µg/ml Rabbit Anti-Catalase Polyclonal Antibody (GenScript, A01188)
Lane 1: Rabbit Anti-Catalase Polyclonal Antibody
Lane 2: Rabbit Anti-Catalase Polyclonal Antibody pre-incubated with immunizing peptide
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

